Service Manual

Pioneer

TOYOTA

ORDER NO.
CRT2544

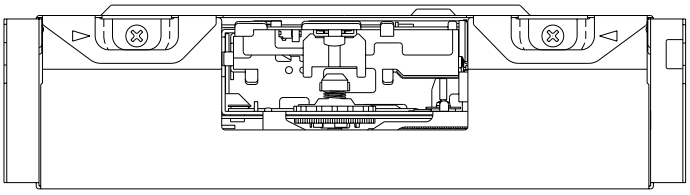
LEXUS RX300
AUDIO SYSTEM
HEAD UNIT

VEHICLE	DESTINATION	PRODUCED AFTER	TOYOTA PART No.	ID No.	PIONEER MODEL No.
LEXUS RX300	U.S.A., CANADA	August 2000	86120-48090	P1725	KEX-M8006ZT/UC
LEXUS RX300	U.S.A., CANADA	August 2000	86120-48090	P1725	KEX-M8006ZT-91/UC
LEXUS RX300	EUROPE	August 2000	86120-48100	P3730	KEX-M8106ZT/EW
LEXUS RX300	EUROPE	August 2000	86120-48100	P3730	KEX-M8106ZT-91/EW

Manufactured for TOYOTA
by PIONEER CORPORATION

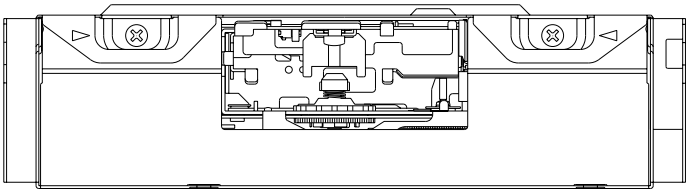
PUB. NO. CRT2544

KEX-M8006ZT/UC



ID No.P1725

KEX-M8106ZT/EW



ID No.P3730

● This service manual should be used together with the following manual(s):

Model	Order No.	Mech. Module	Remarks
CX-631	CRT1640	2L	Cassette Mech. Module:Mech.Description

● Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
"Dolby" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

● This service manual does not describe the CD test mode.
For the operations in the CD test mode, refer to the CD player's Service Manual.

● KEX-M8006ZT/UC and KEX-M8106ZT/EW have adopted AVC-LAN.

● Supplementary model is identical to the original except for the addition of following items.

Description	Part No.	
	KEX-M8006ZT-91/UC	KEX-M8106ZT-91/EW
Polyethylene Bag	CEG-162	CEG-162
Cover	CEG1045	CEG1045
Carton	CHA1721	CHA1721
Contain Box	CHL4111	CHL4112

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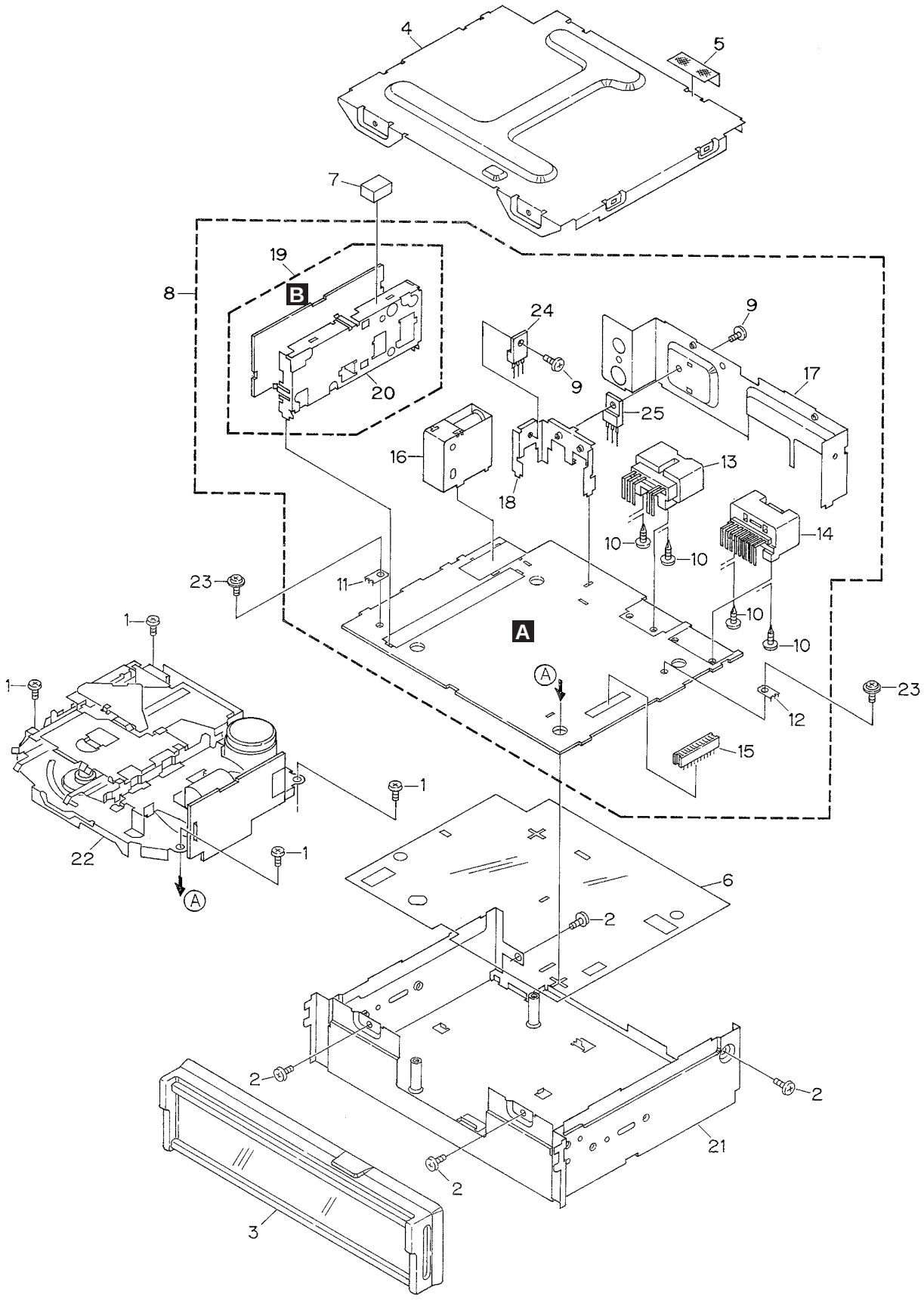
1. SAFETY INFORMATION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.

Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

2. EXPLODED VIEWS AND PARTS LIST

2.1 EXTERIOR



NOTE:

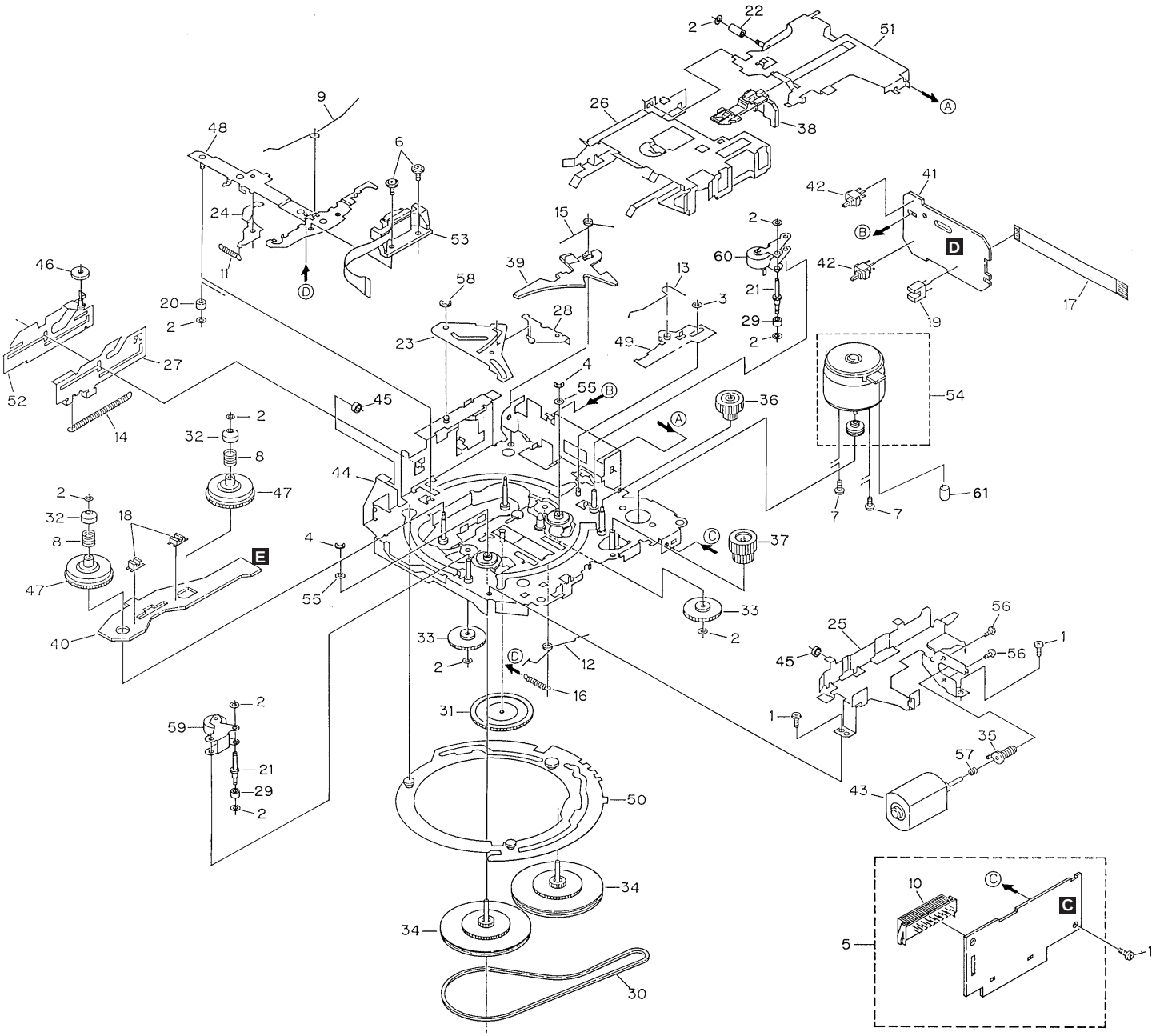
● Parts marked by "*" are generally unavailable because they are not in our Master Spare Parts List.

● Screws adjacent to ∇ mark on the product are used for disassembly.

● EXTERIOR SECTION PARTS LIST

Mark	No.	Description	Part No.
	1	Screw	BMZ26P050FMC
	2	Screw	BMZ30P050FMC
	3	Cover	CHW1830
	4	Case	CNB2621
	5	Cloth	CNM5798
	6	Insulator	CNM6654
	7	Cushion	CNM6934
	8	Main Unit(KEX-M8006ZT)	CWM7097
		Main Unit(KEX-M8106ZT)	CWM7098
	9	Screw	BMZ30P080FMC
	10	Screw	BPZ30P060FSN
	11	Terminal(CN202)	CKF1059
	12	Terminal(CN303)	CKF1059
	13	Connector(CN302)	CKM1065
	14	Connector(CN301)	CKM1322
	15	Connector(CN701)	CKS3568
	16	Antenna Jack(CN201) (KEX-M8006ZT)	CKX1024
		Antenna Jack(CN201) (KEX-M8106ZT)	CKX1041
	17	Holder	CNC8711
	18	Holder	CNC8712
	19	FM/AM Tuner Unit (KEX-M8006ZT)	CWE1543
		FM/AM Tuner Unit (KEX-M8106ZT)	CWE1591
	20	Holder(KEX-M8006ZT)	CNC6774
		Holder(KEX-M8106ZT)	CNC6122
	21	Chassis Unit	CXB5302
	22	Cassette Mechanism Module	EXK3885
	23	Screw	IMS26P050FMC
	24	Transistor(Q331)	2SB1185
	25	Transistor(Q521)	2SB1185

2.3 CASSETTE MECHANISM MODULE



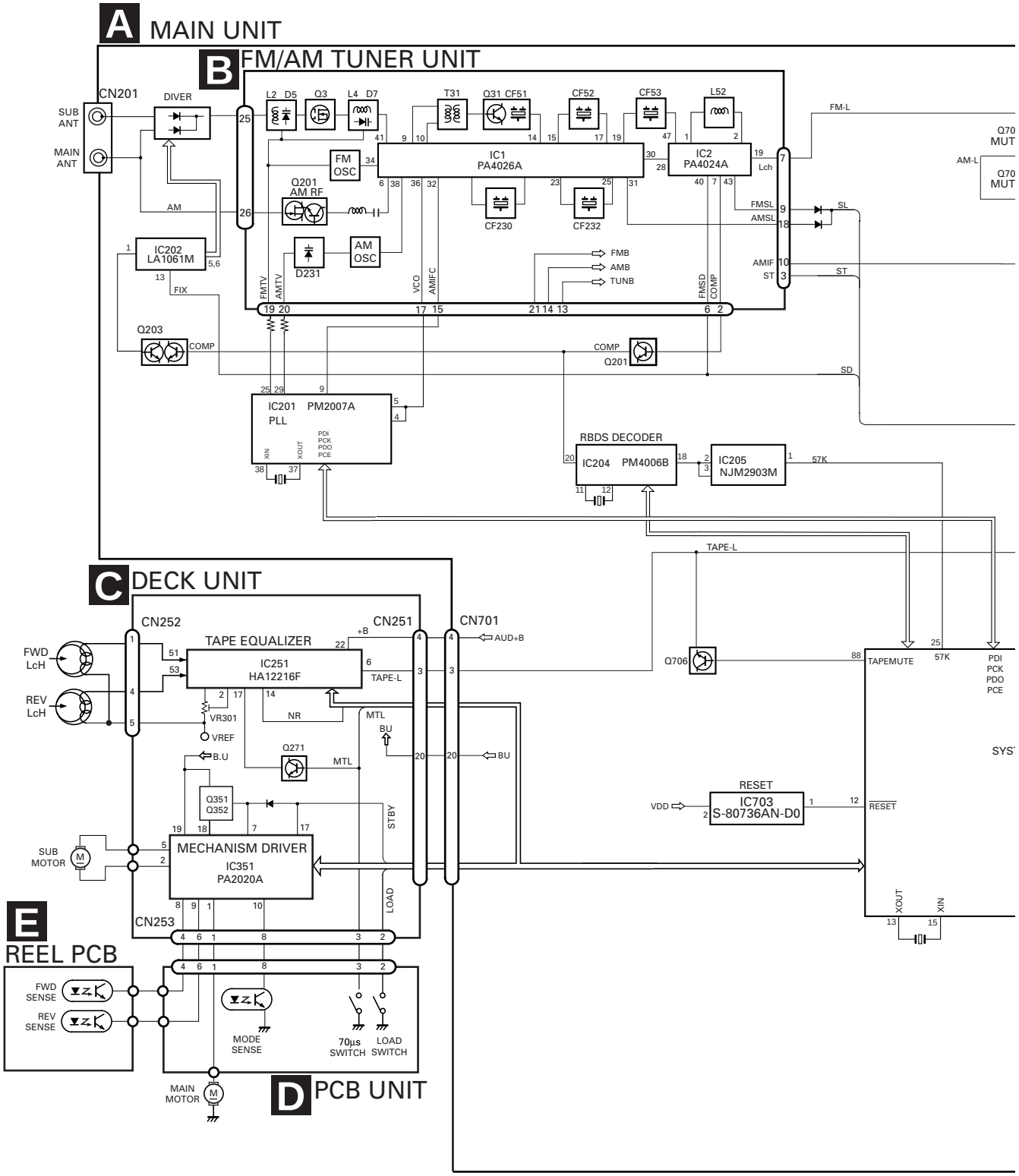
● CASSETTE MECHANISM MODULE SECTION PARTS LIST

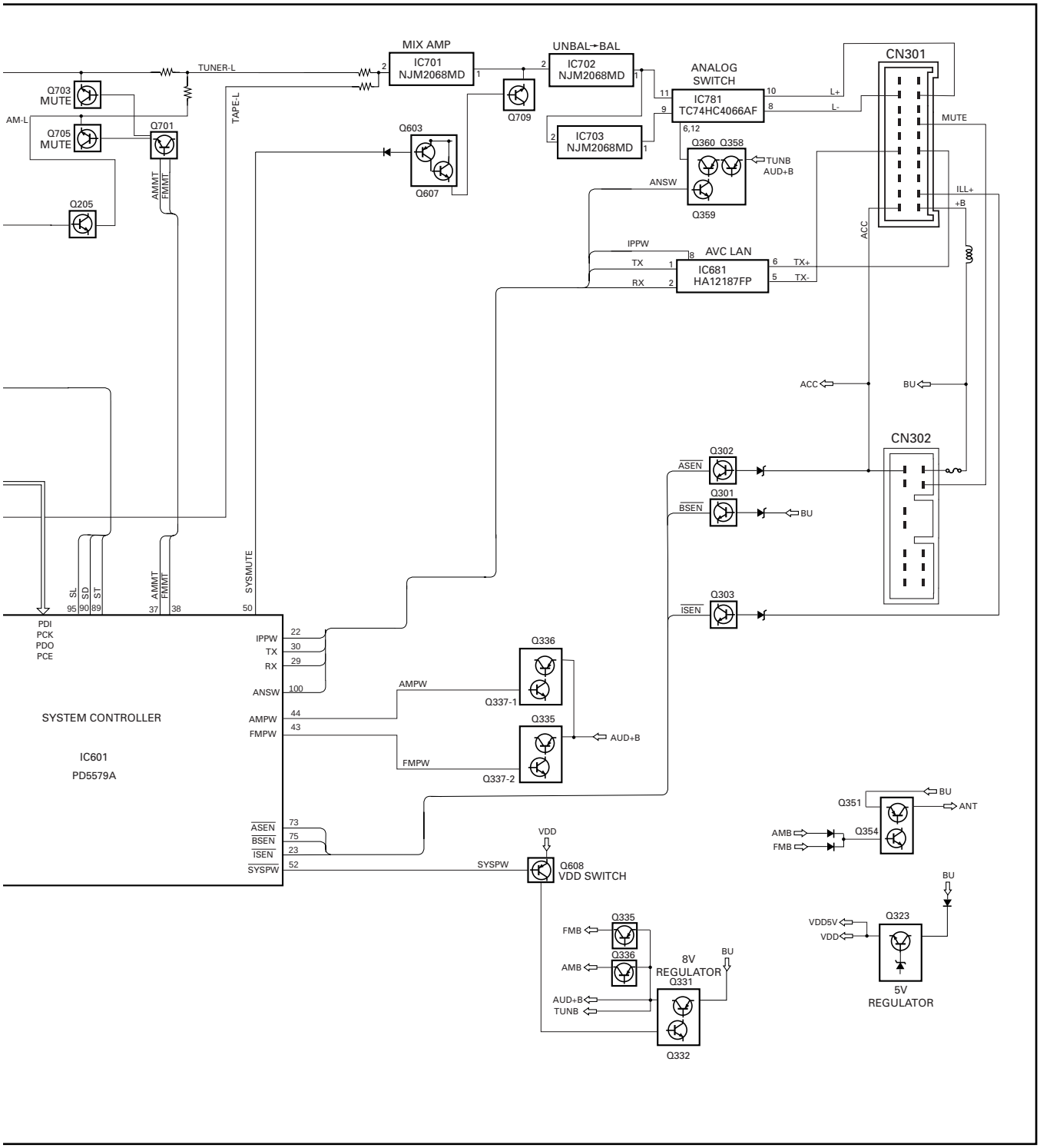
Mark No.	Description	Part No.
1	Screw	BSZ20P040FMC
2	Washer	CBF1037
3	Washer	CBF1038
4	Washer	CBG1003
5	Deck Unit	EWM1027
6	Screw(M2x5)	EBA1028
7	Screw(M2x2.5)	EBA1037
8	Spring	EBH1531
9	Spring	EBH1589
10	Connector(CN251)	CKS3540
11	Spring	EBH1515
12	Spring	EBH1587
13	Spring	EBH1517
14	Spring	EBH1518
15	Spring	EBH1519
16	Spring	EBH1537
17	Cord	EDD1027
18	Photo-interrupter(EGN2,3)	EGN1006
19	Photo-interrupter(EGN1)	EGN1005
20	Roller	ENR1031
21	Shaft	ELA1362
22	Roller	ELA1348
23	Arm	ENC1490
24	Arm	ENC1397
25	Guide	ENC1519
26	Holder	ENC1516
27	Lever	ENC1448
28	Arm	ENC1488
29	Roller	ENR1023
30	Belt	ENT1027

Mark No.	Description	Part No.
31	Gear	ENV1347
32	Collar	ENV1508
33	Gear	ENV1350
34	Flywheel	ENV1500
35	Worm Gear	ENV1439
36	Worm Wheel	ENV1440
37	Gear	ENR1037
38	Lever	ENV1533
39	Arm	ENV1525
40	Gathering PCB	ENX1037
41	Gathering PCB	ENX1060
42	Switch(S1)(S2)	ESG1004
43	Motor Unit(M2)(SUB)	EXA1382
44	Chassis Unit	EXA1559
45	Tube	ENM1039
46	Roller	ENR1027
47	Reel Unit	EXA1560
48	Head Base Unit	EXA1434
49	Lever Unit	EXA1578
50	Gear Unit	EXA1545
51	Frame Unit	EXA1476
52	Lever Unit	EXA1439
53	Head Assy(HD1)	EXA1594
54	Motor Unit(M1)(MAIN)	EXA1499
55	Washer	HBF-179
56	Screw	JGZ20P025FNI
57	Spring	EBH1545
58	Washer	YE20FUC
59	Pinch Roller Unit	EXA1533
60	Pinch Roller Unit	EXA1532
61	Capacitor(C1)	CEAL4R7M35

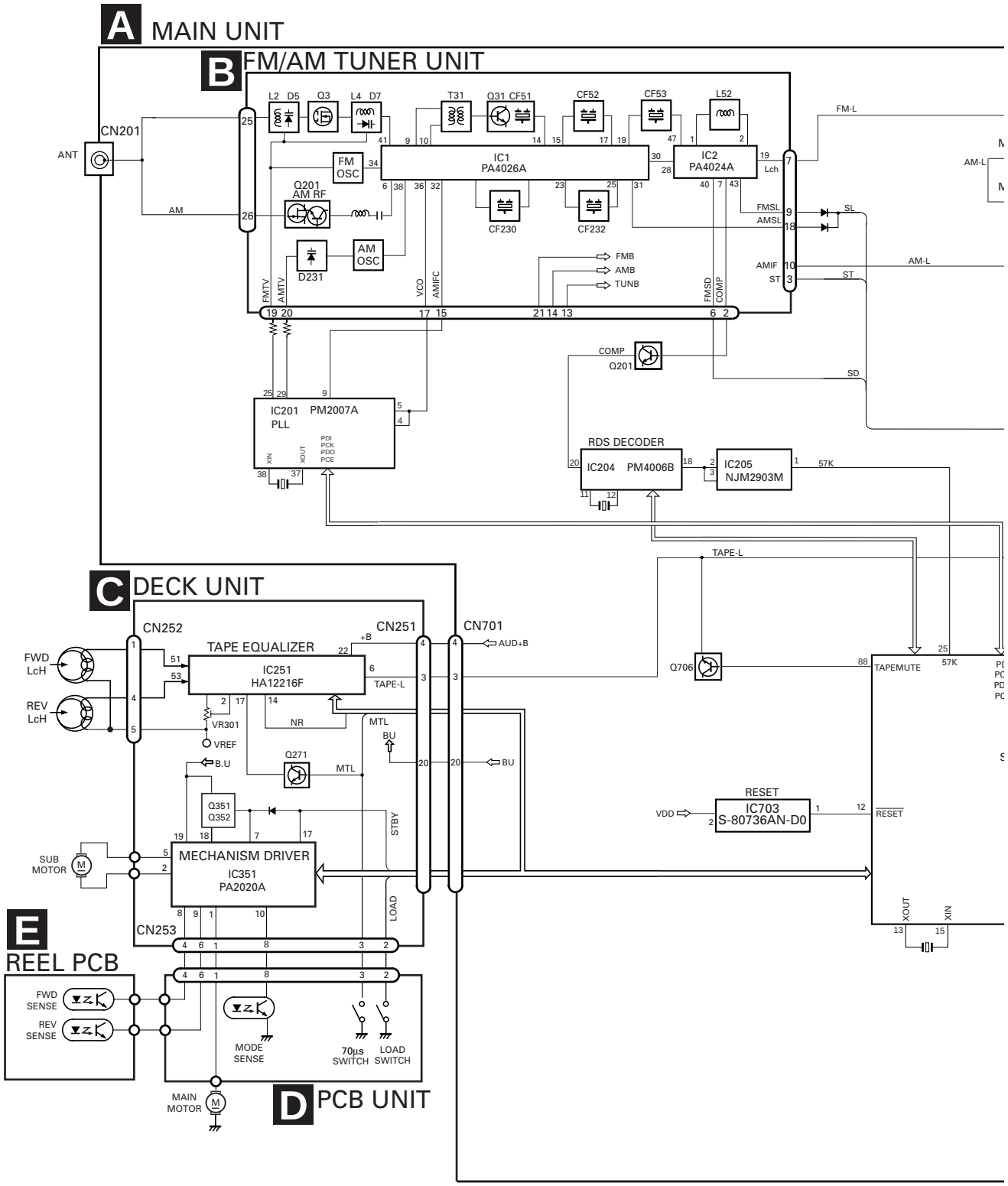
3. BLOCK DIAGRAM AND SCHEMATIC DIAGRAM

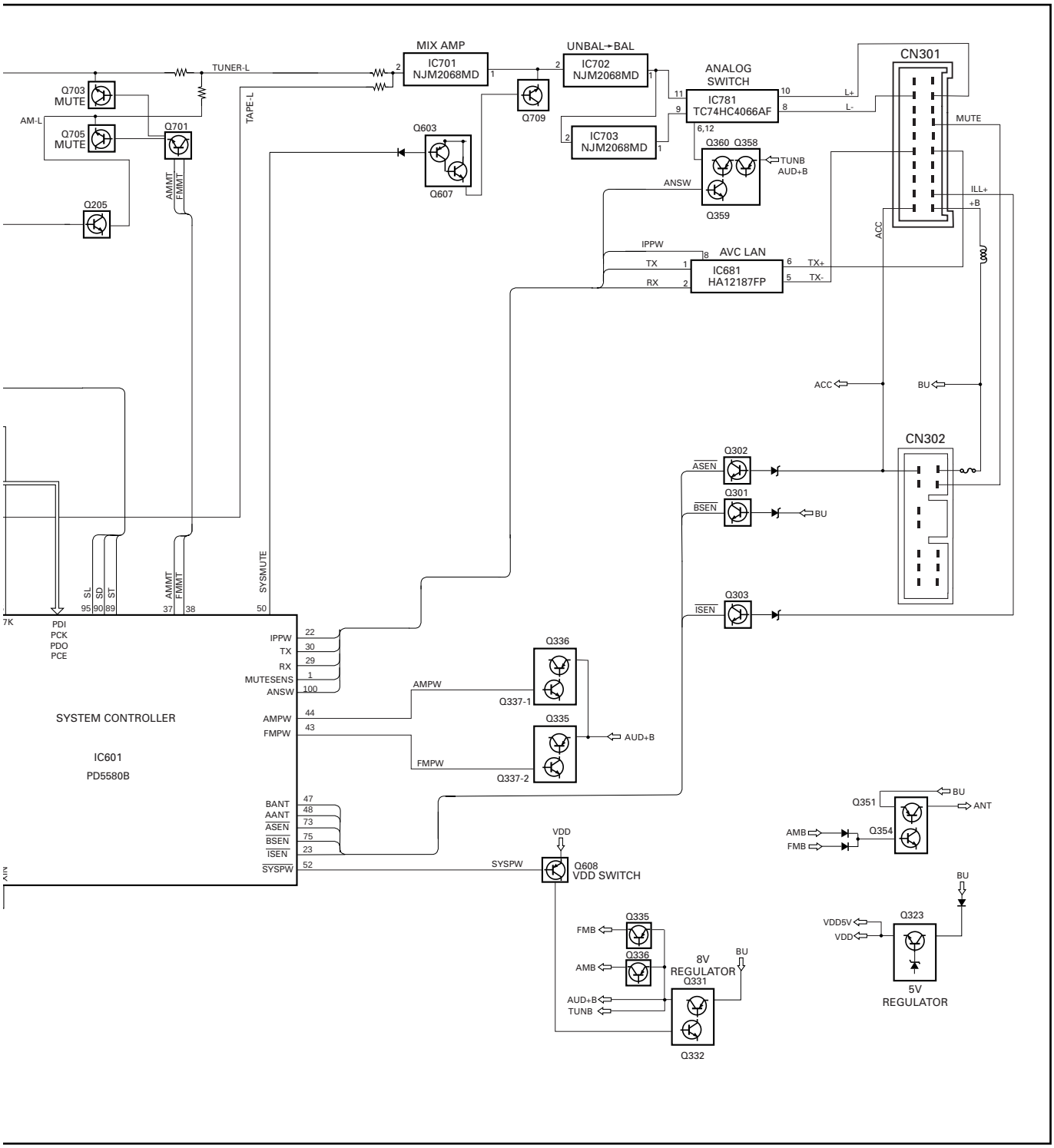
3.1 BLOCK DIAGRAM(KEX-M8006ZT)




MIX AMP
IC701
NJM2068MD
UNBAL→BAL
IC702
NJM2068MD
IC703
NJM2068MD
ANALOG
SWITCH
IC781
TC74HC4066AF
CN301
TUNER-L
AM-L
TAPE-L
Q703
MUTE
Q705
MUTE
Q701
Q205
Q603
Q607
Q709
Q360 Q358
Q359
TUNB
AUD+B
ANSW
MUTE
ILL+
+B
ACC
L+
L-
AMMT
FMMT
IPPW
TX
RX
AVC LAN
IC681
HA12187FP
TX+
TX-
ACC
BU
CN302
Q302
ASEN
Q301
BSEN
Q303
ISEN
SYSMUTE
SL
SD
ST
PDI
PCK
PDO
PCE
SYSTEM CONTROLLER
IC601
PD5579A
Q336
Q337-1
Q335
Q337-2
AMPW
FMPW
AUD+B
VDD
SYSPW
Q608
VDD SWITCH
Q351
ANT
Q354
AMB
FMB
Q335
Q336
8V
REGULATOR
Q331
Q332
Q323
VDD5V
VDD
5V
REGULATOR

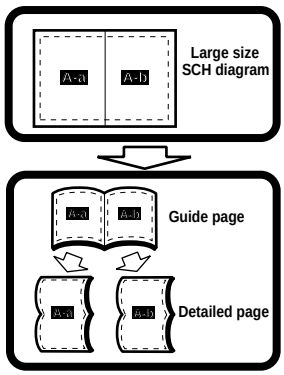
3.2 BLOCK DIAGRAM(KEX-M8106ZT)




MIX AMP
IC701
NJM2068MD
UNBAL→BAL
IC702
NJM2068MD
IC703
NJM2068MD
ANALOG SWITCH
IC781
TC74HC4066AF
CN301
TUNER-L
TAPE-L
AM-L
Q703 MUTE
Q705 MUTE
Q701
Q205
Q603
Q607
Q709
Q360 Q358
Q359
TUNB
AUD+B
ANSW
MUTE
ILL+
+B
ACC
IPPW
AVC LAN
IC681
HA12187FP
TX
RX
TX+
TX-
L+
L-
BU
CN302
Q302
Q301
Q303
ASEN
BSEN
ISEN
SL
SD
ST
AMMT
FMMT
SYSMUTE
PDI
PCK
PDO
PCE
SYSTEM CONTROLLER
IC601
PD5580B
MUTESENS
AMPW
FMPW
BANT
AANT
SYSPW
Q336
Q337-1
Q335
Q337-2
Q608
VDD SWITCH
VDD
Q351
ANT
AMB
FMB
Q354
Q323
VDD5V
5V REGULATOR
8V REGULATOR
Q331
Q332

3.2 MAIN UNIT(KEX-M8006ZT)(GUIDE PAGE)

Note: When ordering service parts, be sure to refer to "EXPLODED VIEWS AND PARTS LIST" or "ELECTRICAL PARTS LIST".



A-a

A MAIN UNIT

B FM/AM TUNER UNIT

FM:-26dBs(400Hz,30%)
AM:-16dBs(400Hz,30%)

FM DIVERSITY

PLL

RBDS DECODER

TAPE:- 8dBs

CASSETTE MECHANISM MODULE C D E

TAPE MUTE

MIX AMP

SYSTEM MUTE

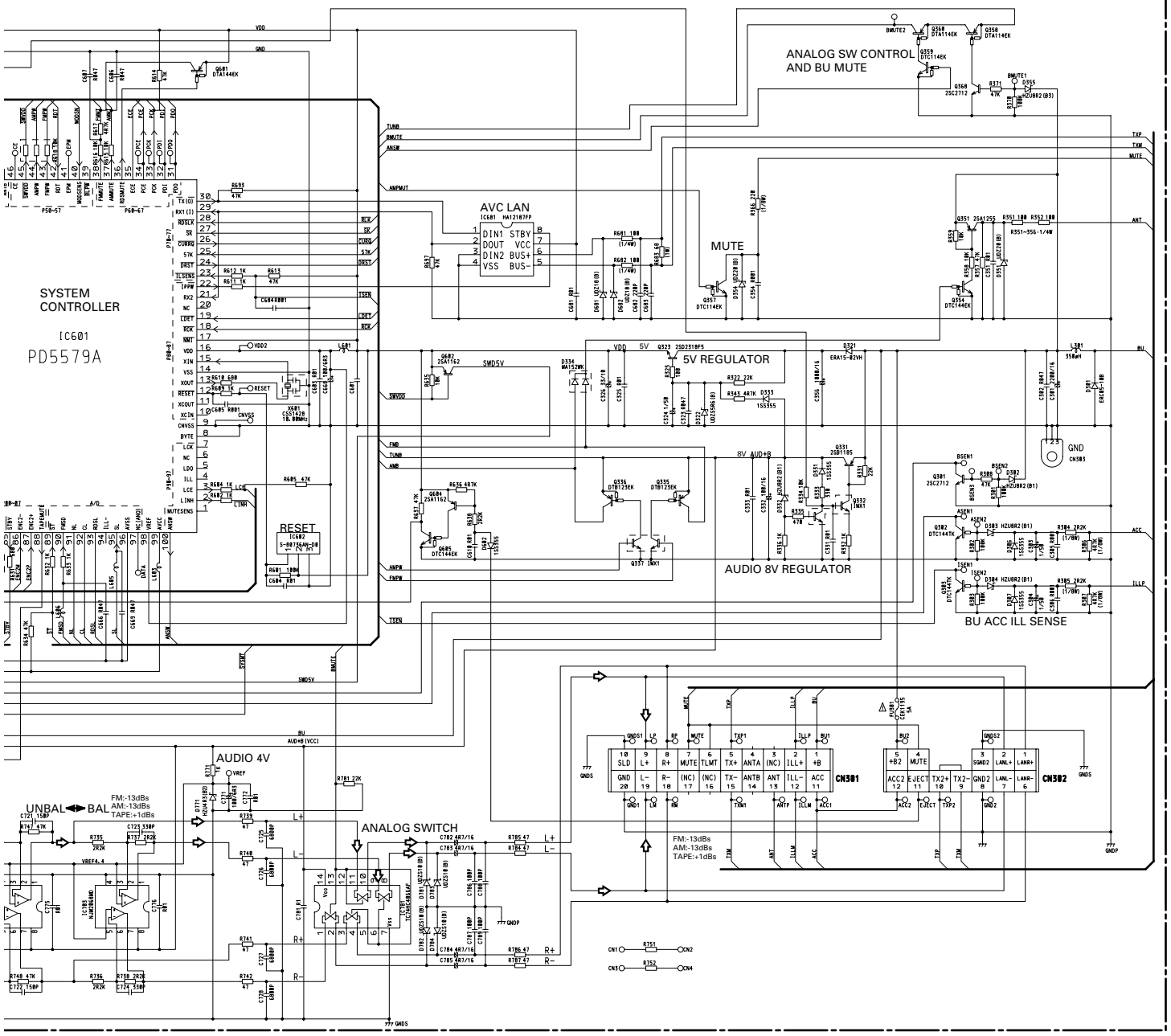
TUNER MUTE

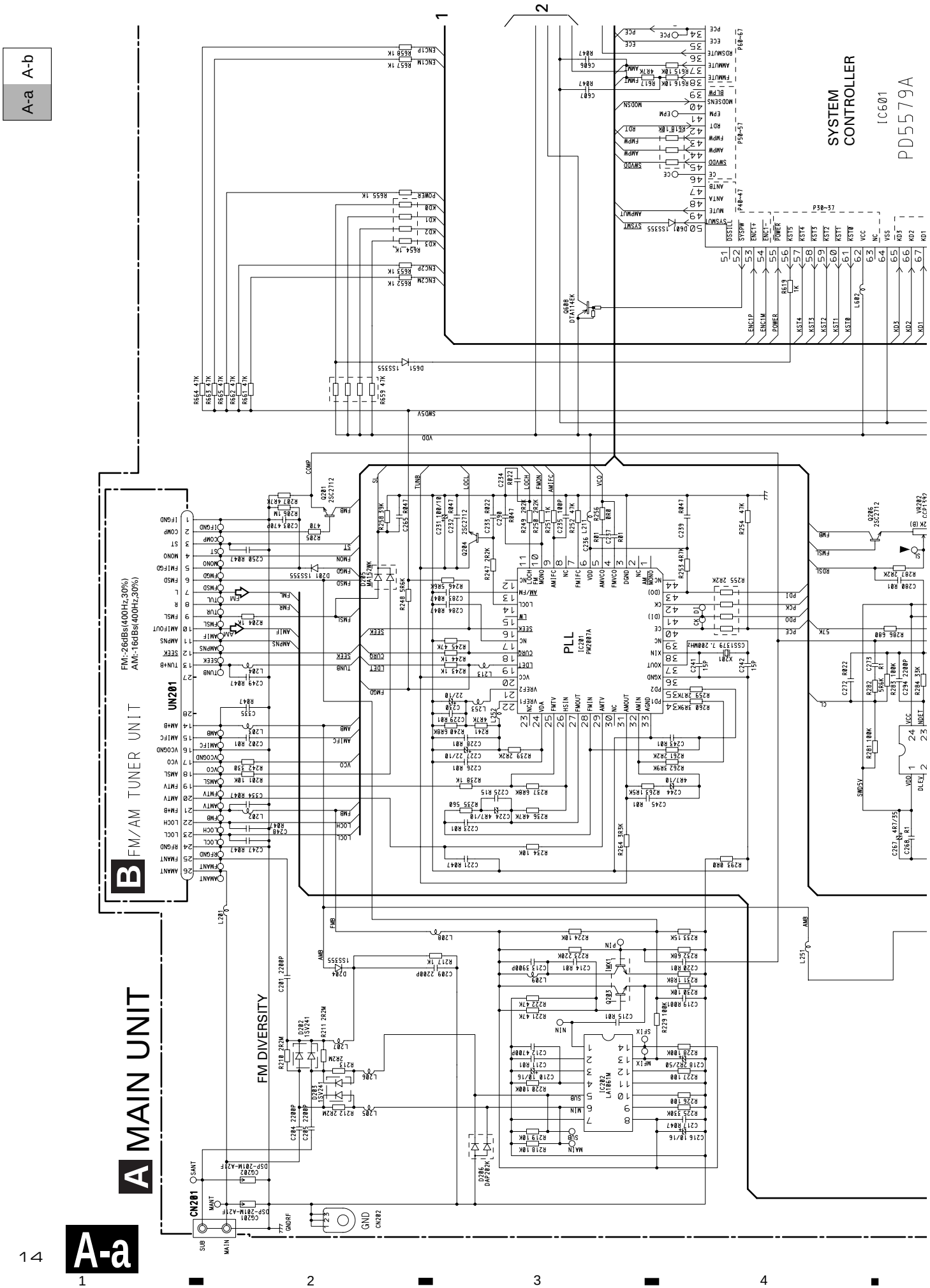
FM:-18dBs
AM:-18dBs
TAPE:-4dBs

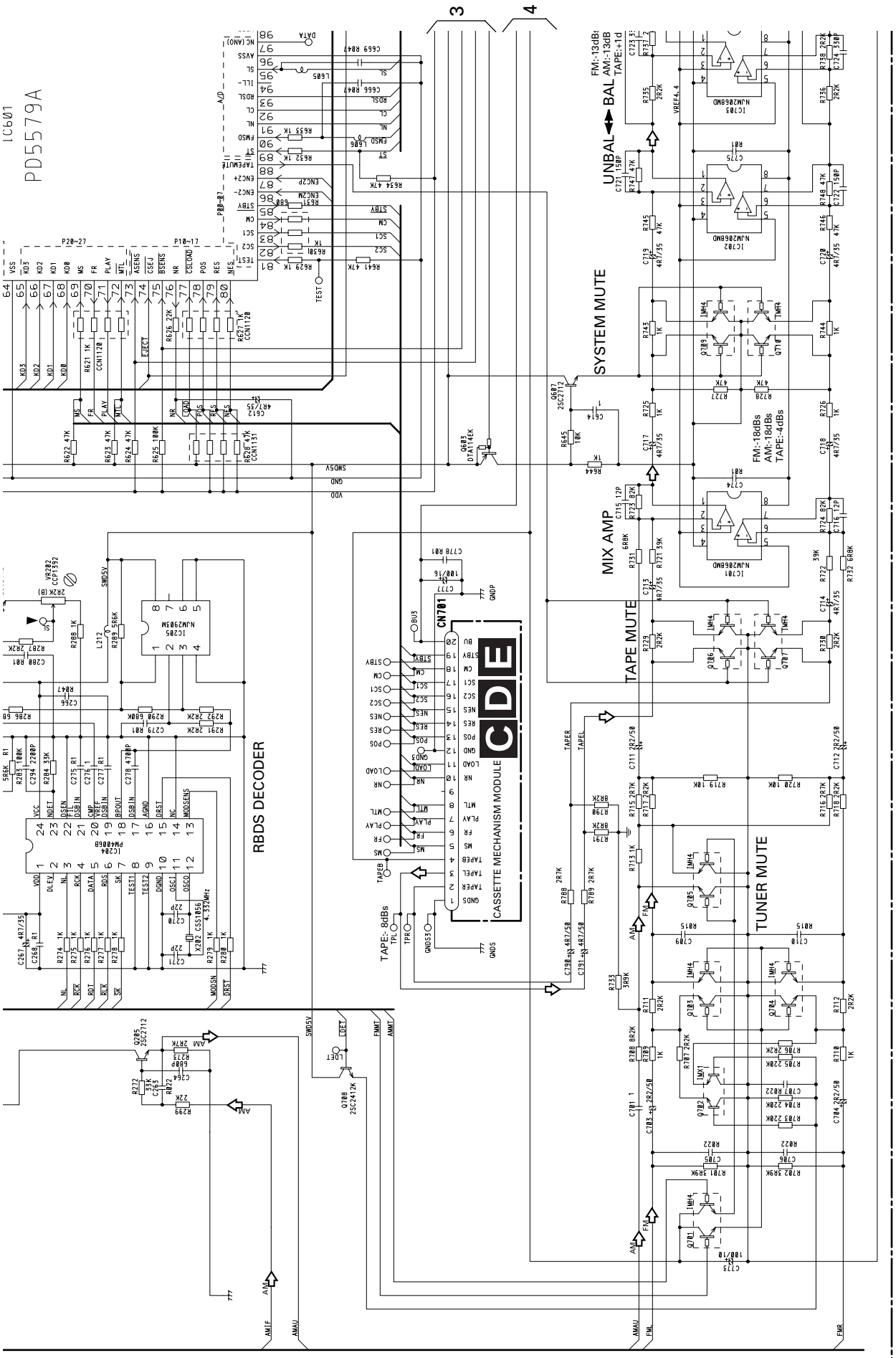
A-b

NOTE:
Symbol indicates a resistor.
No differentiation is made between chip resistors and discrete resistors.
Symbol indicates a capacitor.
No differentiation is made between chip capacitors and discrete capacitors.
Decimal points for resistor and capacitor fixed values are expressed as:
2.2→2R2
0.022→R022

The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.




A-b
A-a
SYSTEM CONTROLLER
IC601
PD5579A
P30-37
P40-47
P50-57
P60-67
B FM/AM TUNER UNIT
FM:-26dBs(400Hz,30%)
AM:-16dBs(400Hz,30%)
UN201
PLL
IC201
PM2007A
A MAIN UNIT
FM DIVERSITY
CN201
CN202
GND
SUB
MAIN


IC601
PD5579A
SYSTEM MUTE
MIX AMP
TAPE MUTE
TUNER MUTE
UNBAL ◆ BAL
FM:-13dB
AM:-13dB
TAPE:+1d
FM:-18dBs
AM:-18dBs
TAPE:-4dBs
RBDS DECODER
CASSETTE MECHANISM MODULE
CN701
CDE
TAPE:-8dBs
EJECT
P20~27
P10~17
P00~07

A-a A-b

NOTE:
Symbol indicates a resistor.
No differentiation is made between chip resistors and discrete resistors.
Symbol indicates a capacitor.
No differentiation is made between chip capacitors and discrete capacitors.
Decimal points for resistor and capacitor fixed values are expressed as:
2.2→2R2
0.022→R022

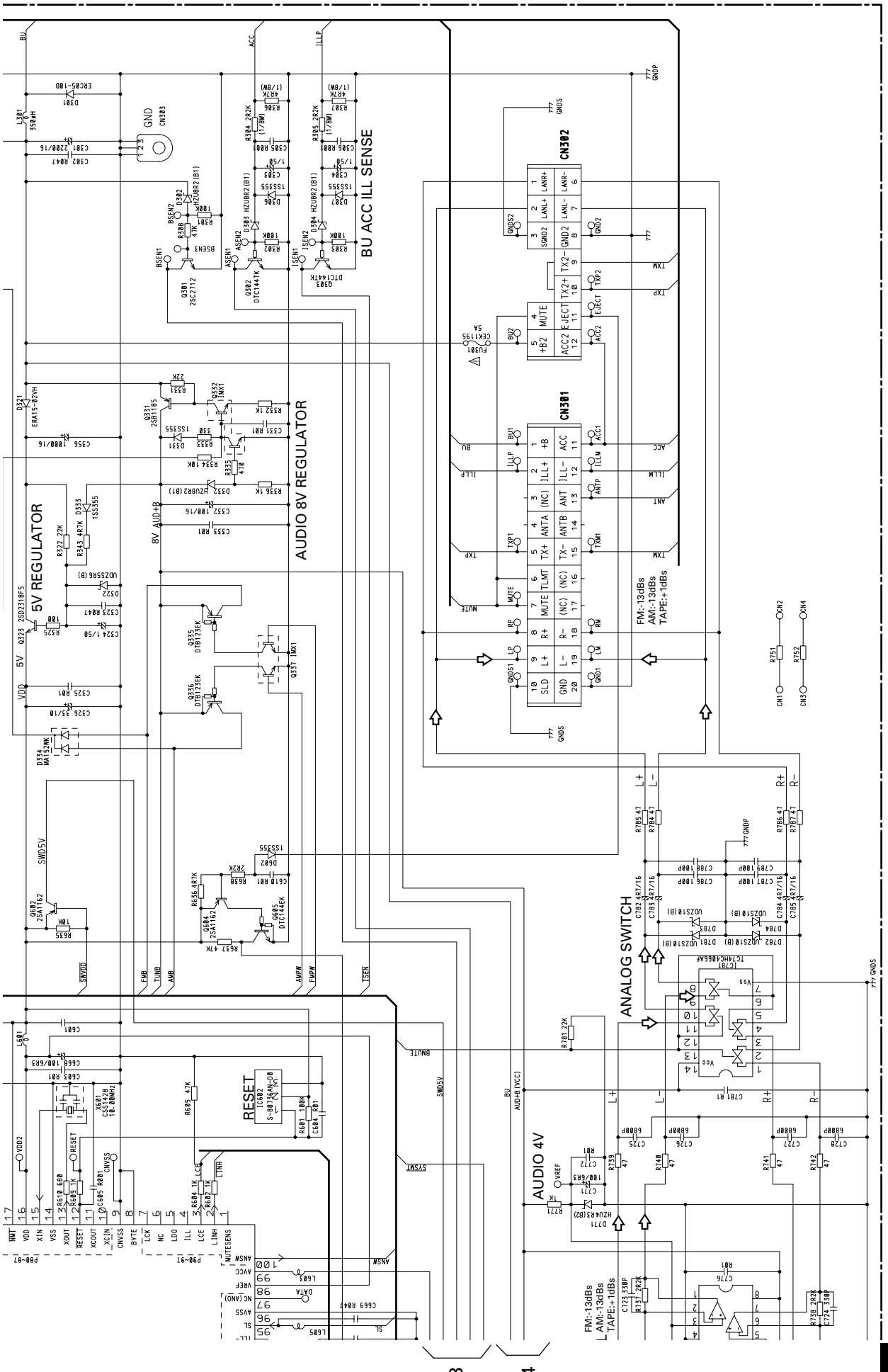
The ⚠ mark found on some component parts indicates the importance of the safety factor of the parts. Therefore, when replacing, be sure to use parts of identical designation.

ANALOG SW CONTROL AND BU MUTE

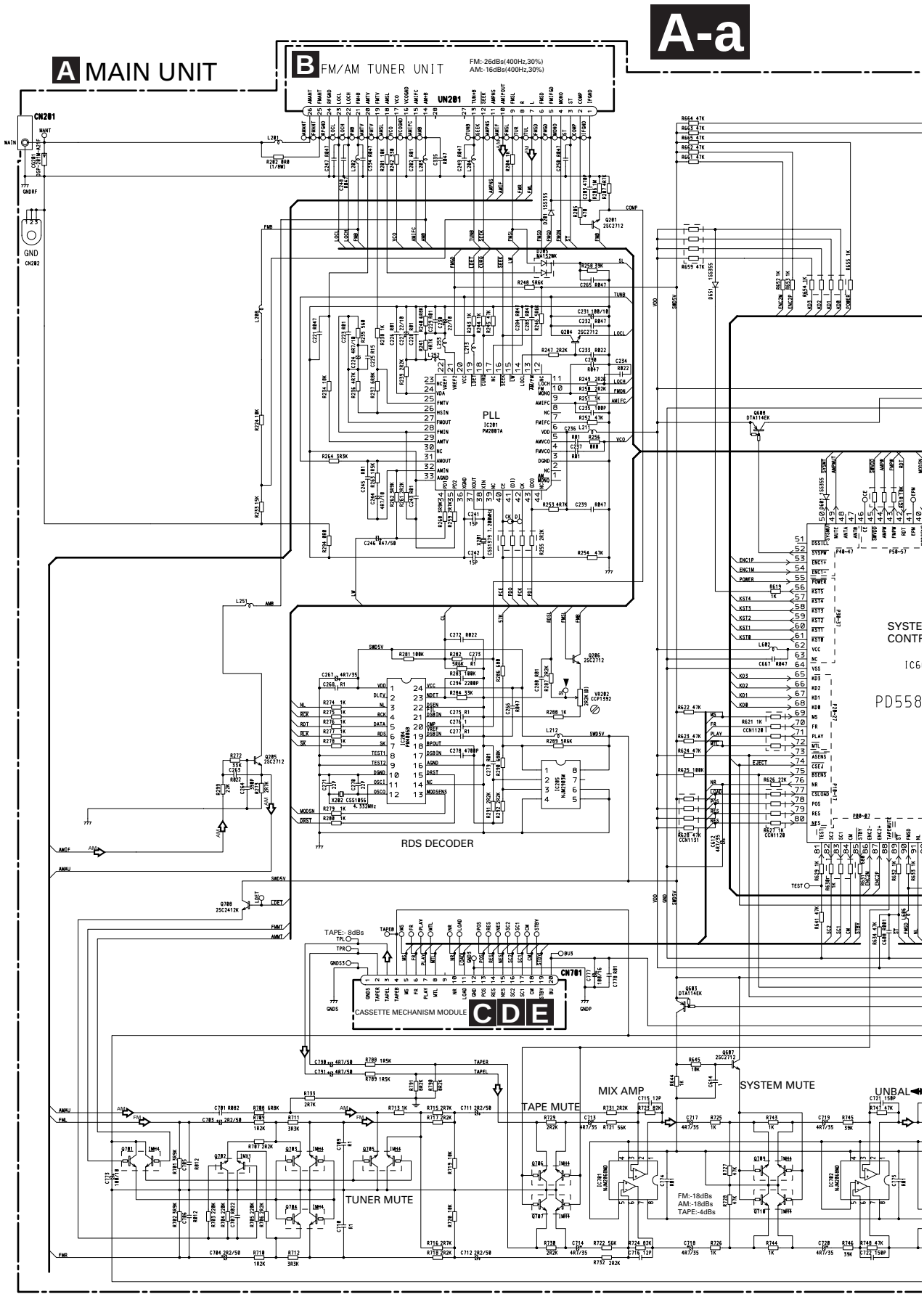
MUTE

5V REGULATOR

AVC LAN IC681 HA12197FP


BU ACC ILL SENSE
AUDIO 8V REGULATOR
5V REGULATOR
CN302
CN301
ANALOG SWITCH
AUDIO 4V
RESET
FM:-13dBs
AM:-13dBs
TAPE:+1dBs

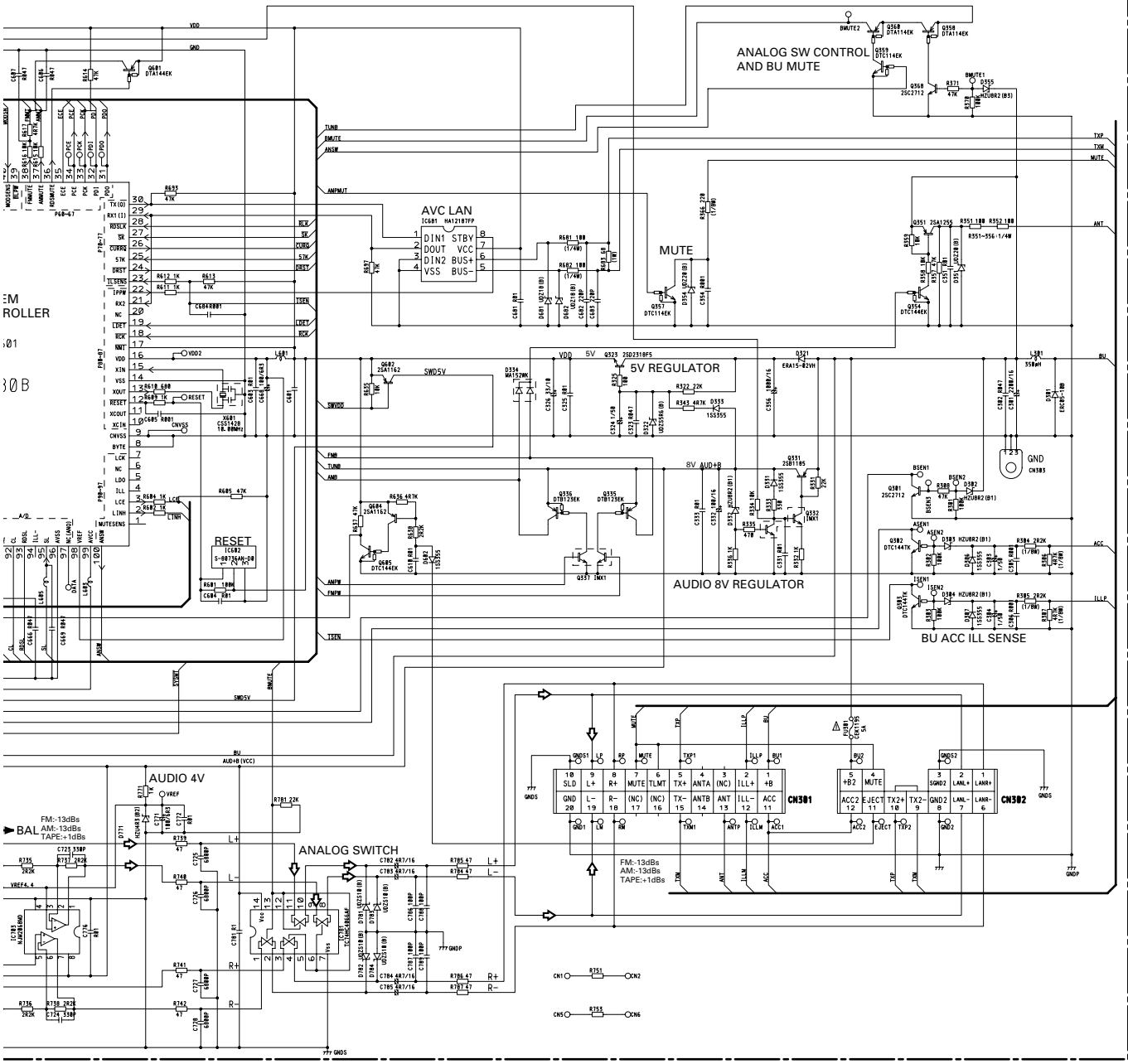
3.3 MAIN UNIT(KEX-M8106ZT)(GUIDE PAGE)

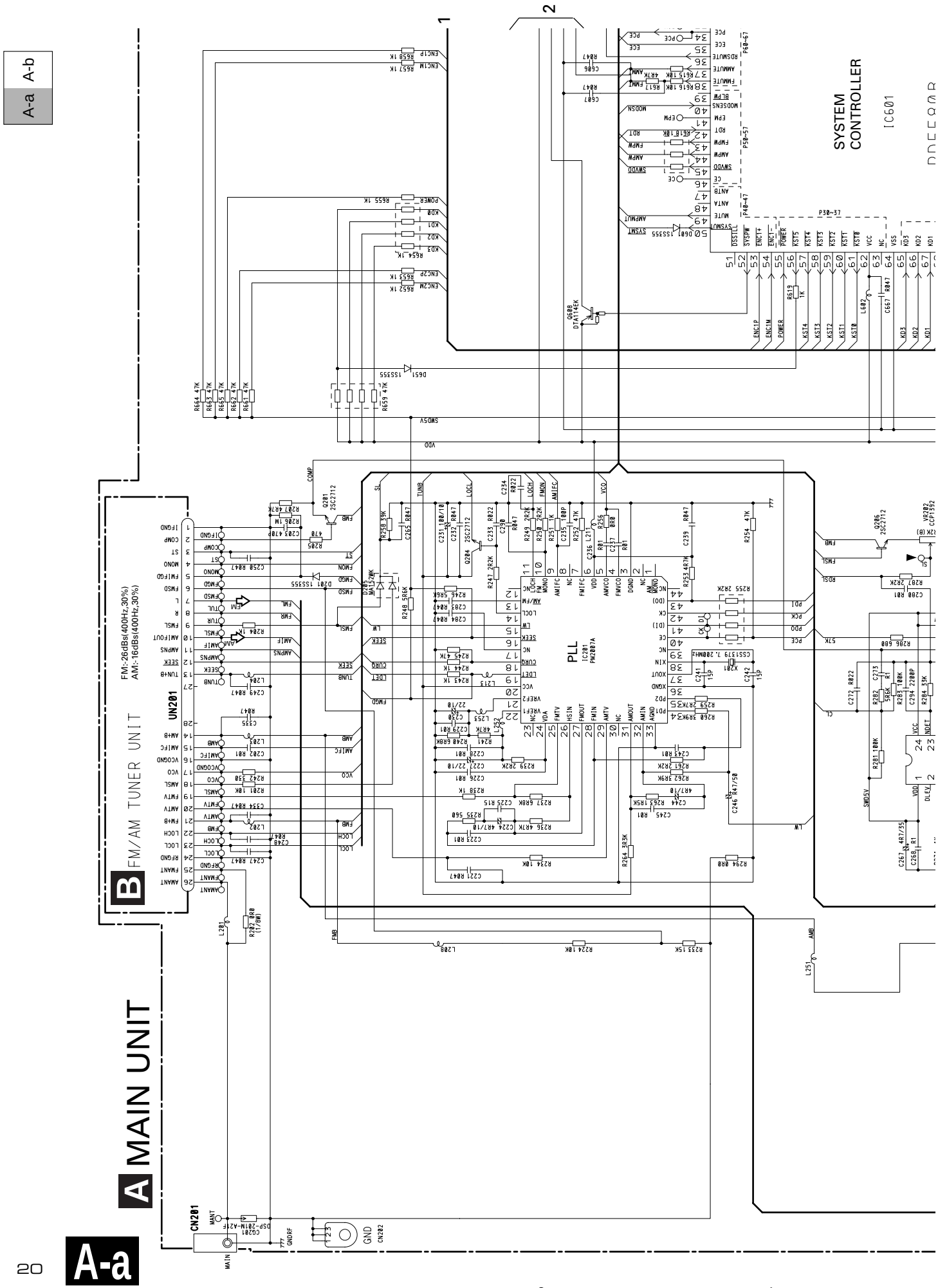


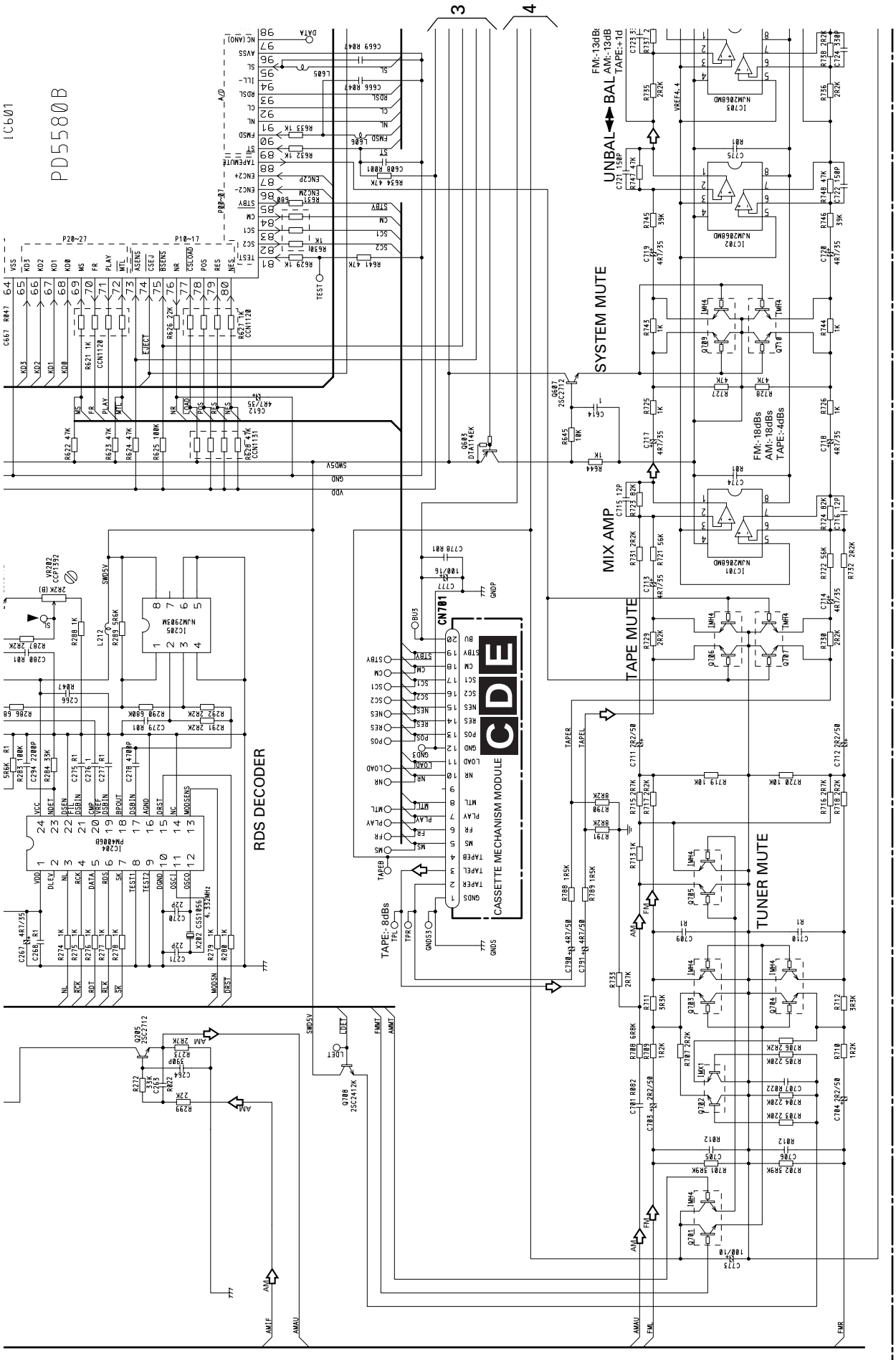
A-b

NOTE:
Symbol indicates a resistor.
No differentiation is made between chip resistors and discrete resistors.
Symbol indicates a capacitor.
No differentiation is made between chip capacitors and discrete capacitors.
Decimal points for resistor and capacitor fixed values are expressed as:
2.2→2R2
0.022→R022

The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.




A-b
A-a
SYSTEM CONTROLLER
IC601
PLL
IC201
PW2007A
UN201
FM:-26dBs(400Hz,30%)
AM:-16dBs(400Hz,30%)
B FM/AM TUNER UNIT
A MAIN UNIT
CN201
CN202
GND
MAIN


IC601
PD5580B
SYSTEM MUTE
MIX AMP
TAPE MUTE
TUNER MUTE
RDS DECODER
CASSETTE MECHANISM MODULE
CN701
UNBAL
BAL
FM:-13dB
AM:-13dB
TAPE:+1d
FM:-18dB
AM:-18dB
TAPE:-4dB
TAPE:-8dB
A-b
A-a

A-a A-b

NOTE:
Symbol indicates a resistor.
No differentiation is made between chip resistors and discrete resistors.
Symbol indicates a capacitor.
No differentiation is made between chip capacitors and discrete capacitors.
Decimal points for resistor and capacitor fixed values are expressed as:
2.2→2R2
0.022→R022

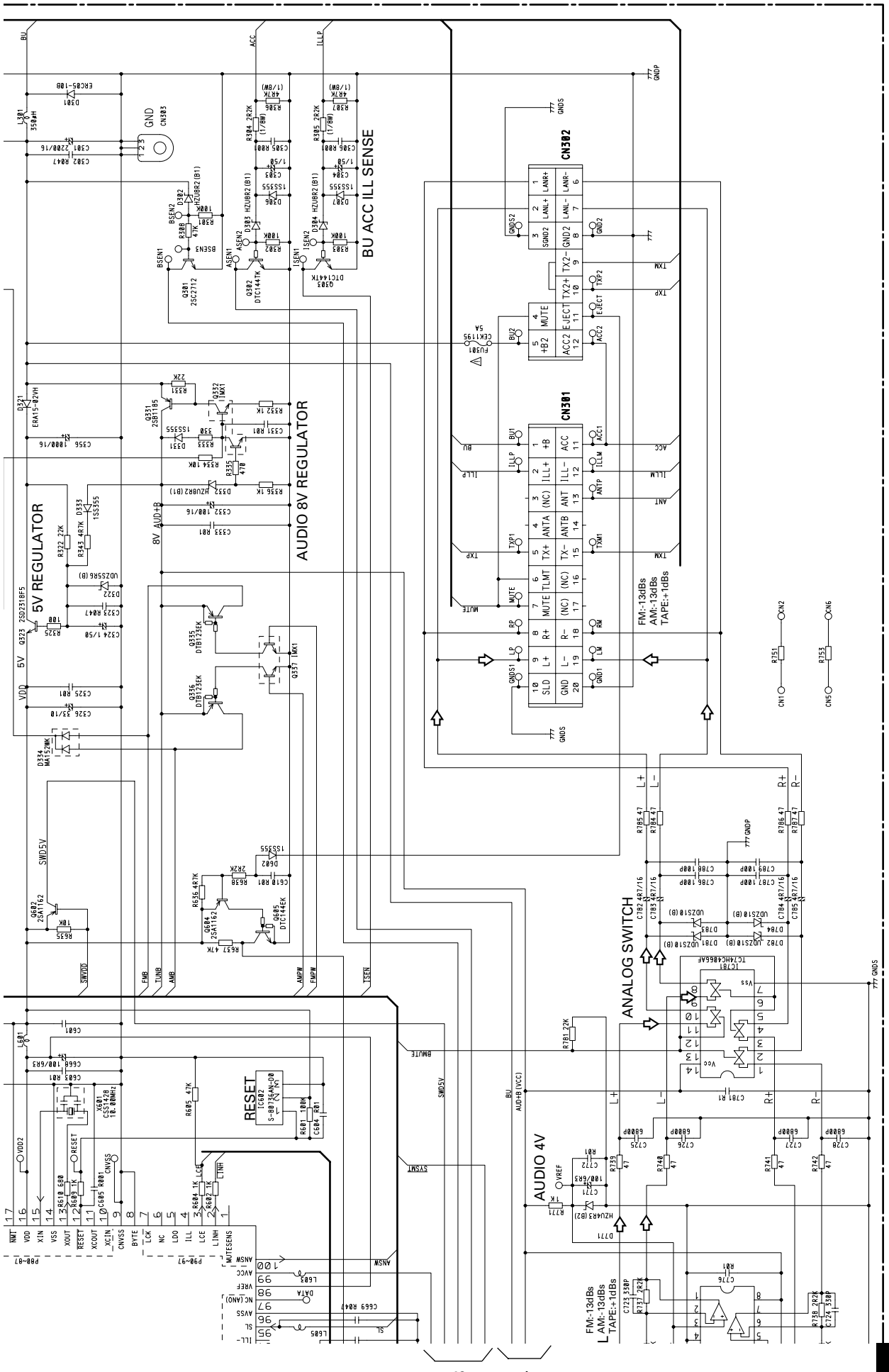
The ⚠mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

ANALOG SW CONTROL AND BU MUTE

MUTE

5V REGULATOR

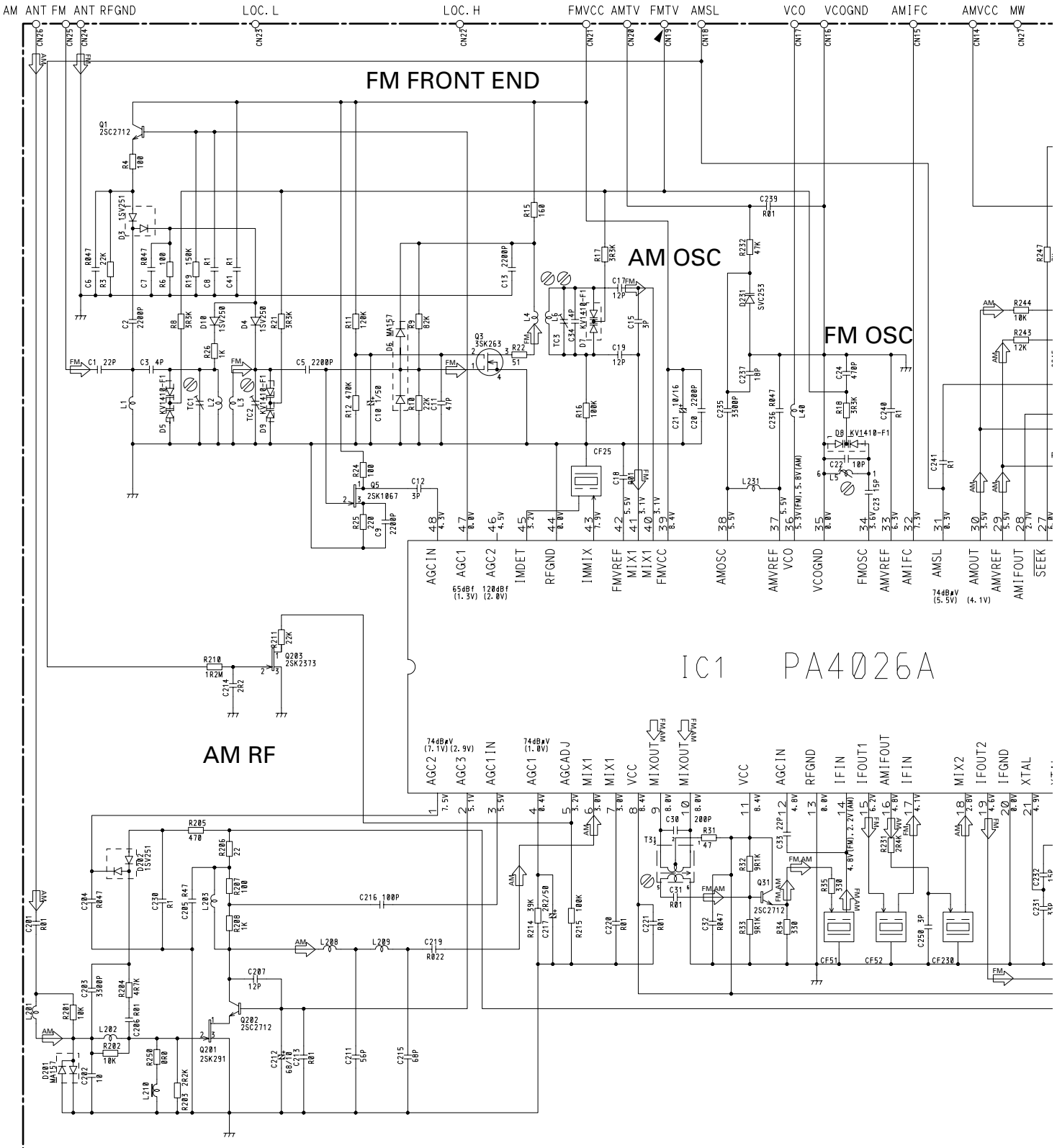
AVC LAN


BU ACC ILLP
BU ACC ILL SENSE
GND
CN303
CN302
CN301
AUDIO 8V REGULATOR
8V AUD+B
5V REGULATOR
5V
VDD
SWD5V
SWVDD
RESET
IC602
S-80745AN-00
X601
CSS1428
10.00MHz
ANALOG SWITCH
TC74HC4066AF
AUDIO 4V
VREF
HZU4R3 (B2)
FM:-13dBs
AM:-13dBs
TAPE:+1dBs
BMUTE
SVSMT
ANSW
MUTESENS
P80~87
P90~97
CN1
CN2
CN5
CN6
3
4

3.4 FM/AM TUNER UNIT(KEX-M8006ZT)

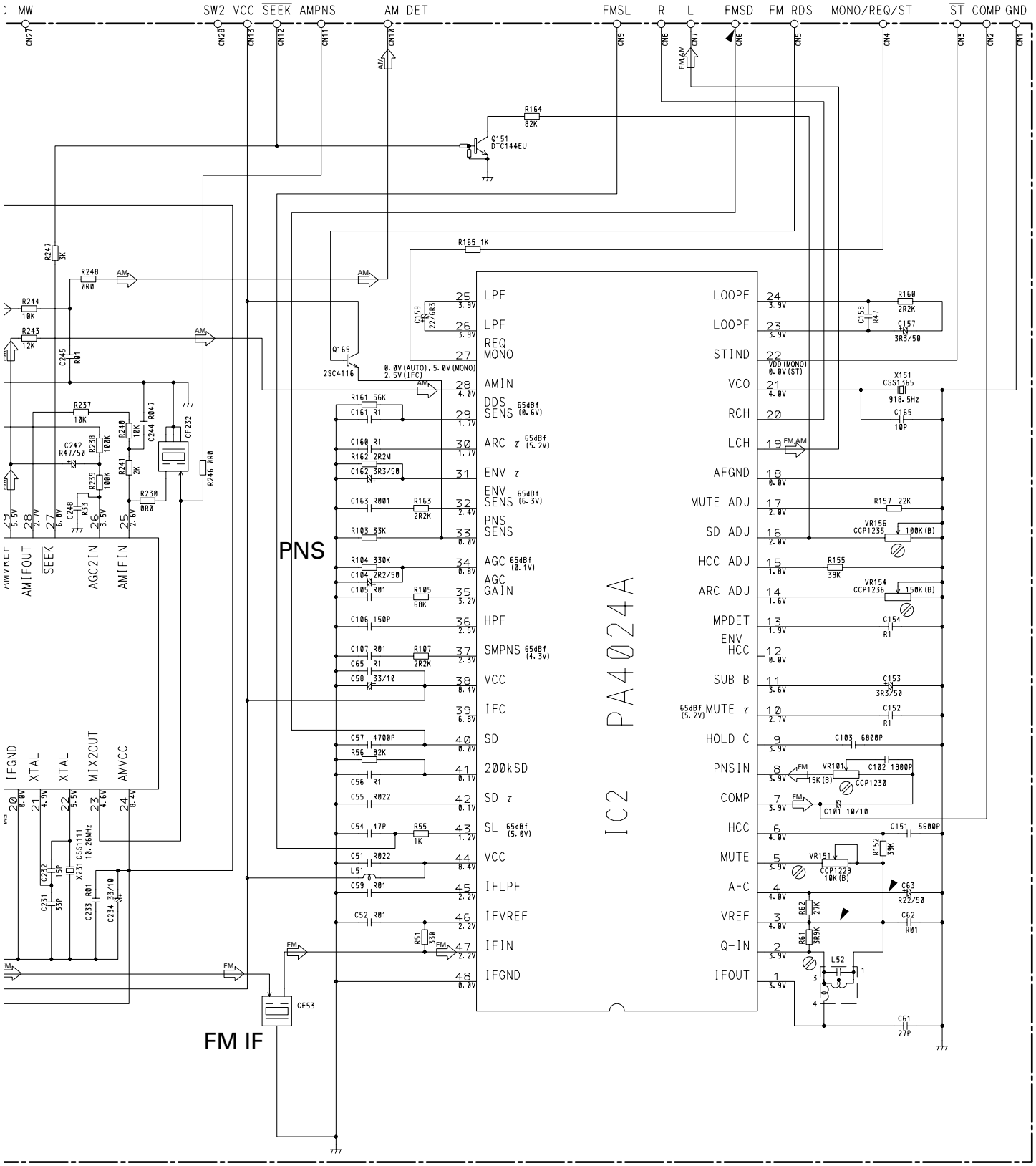
A

B FM/AM TUNER UNIT

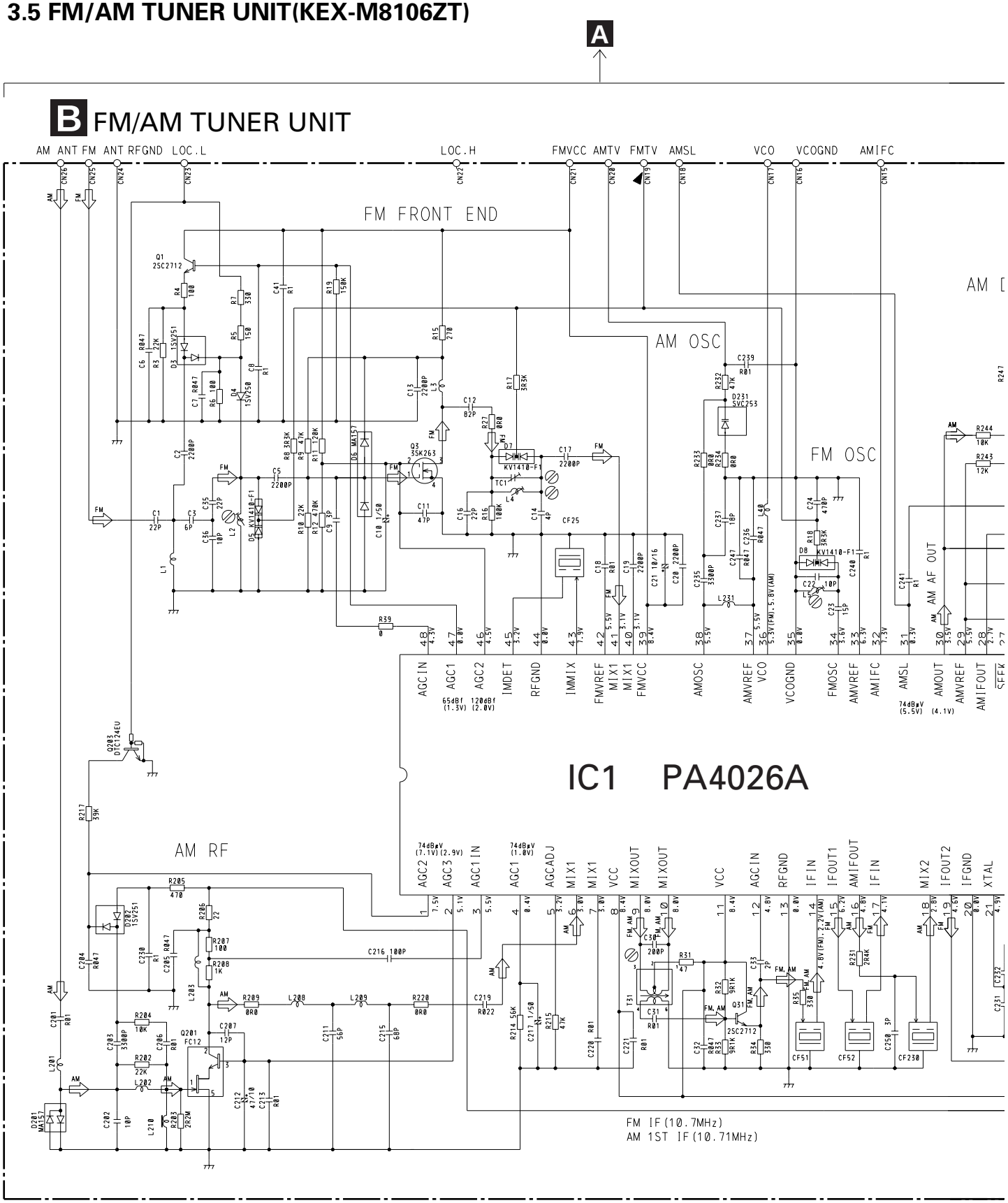


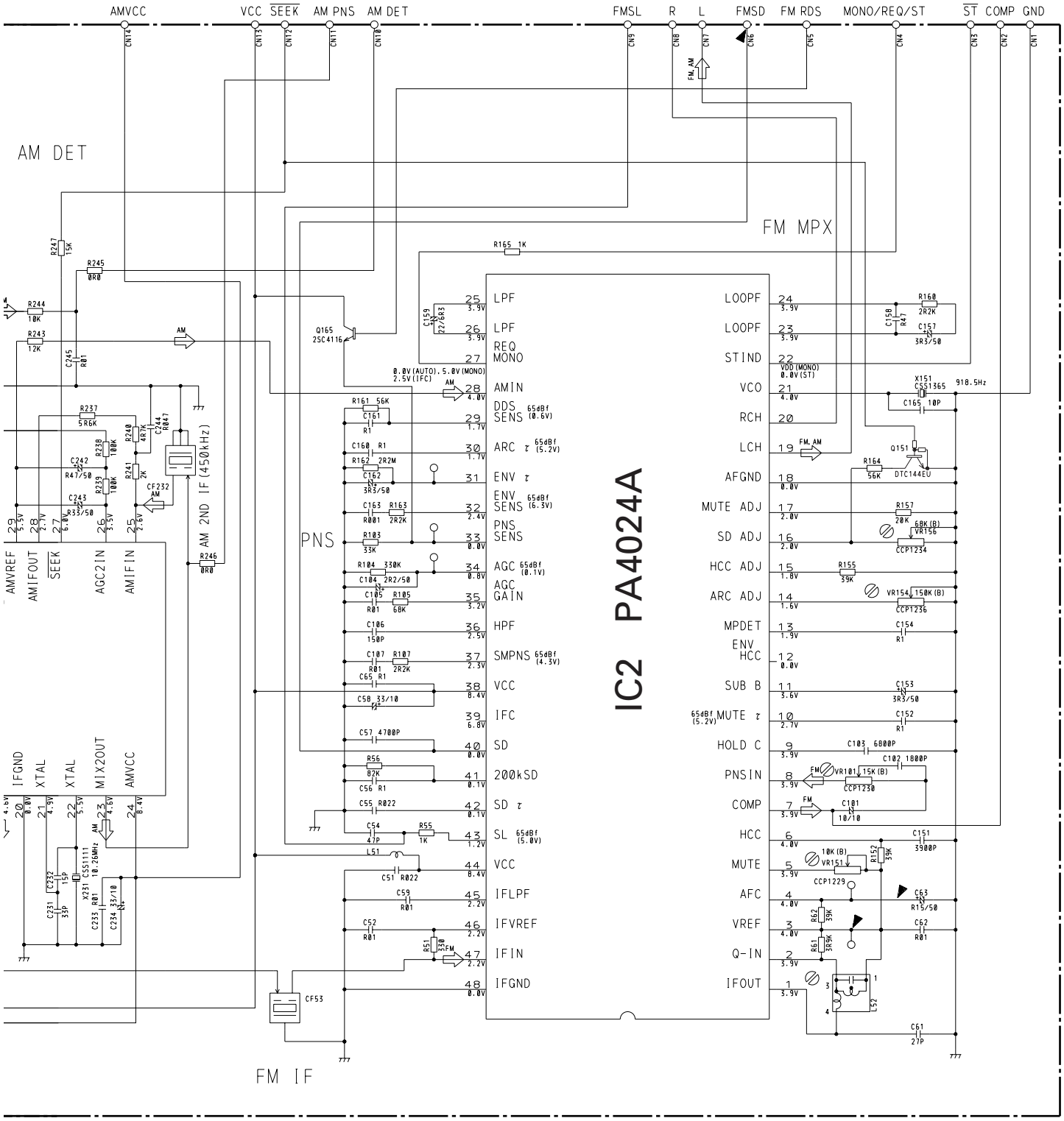
C

D

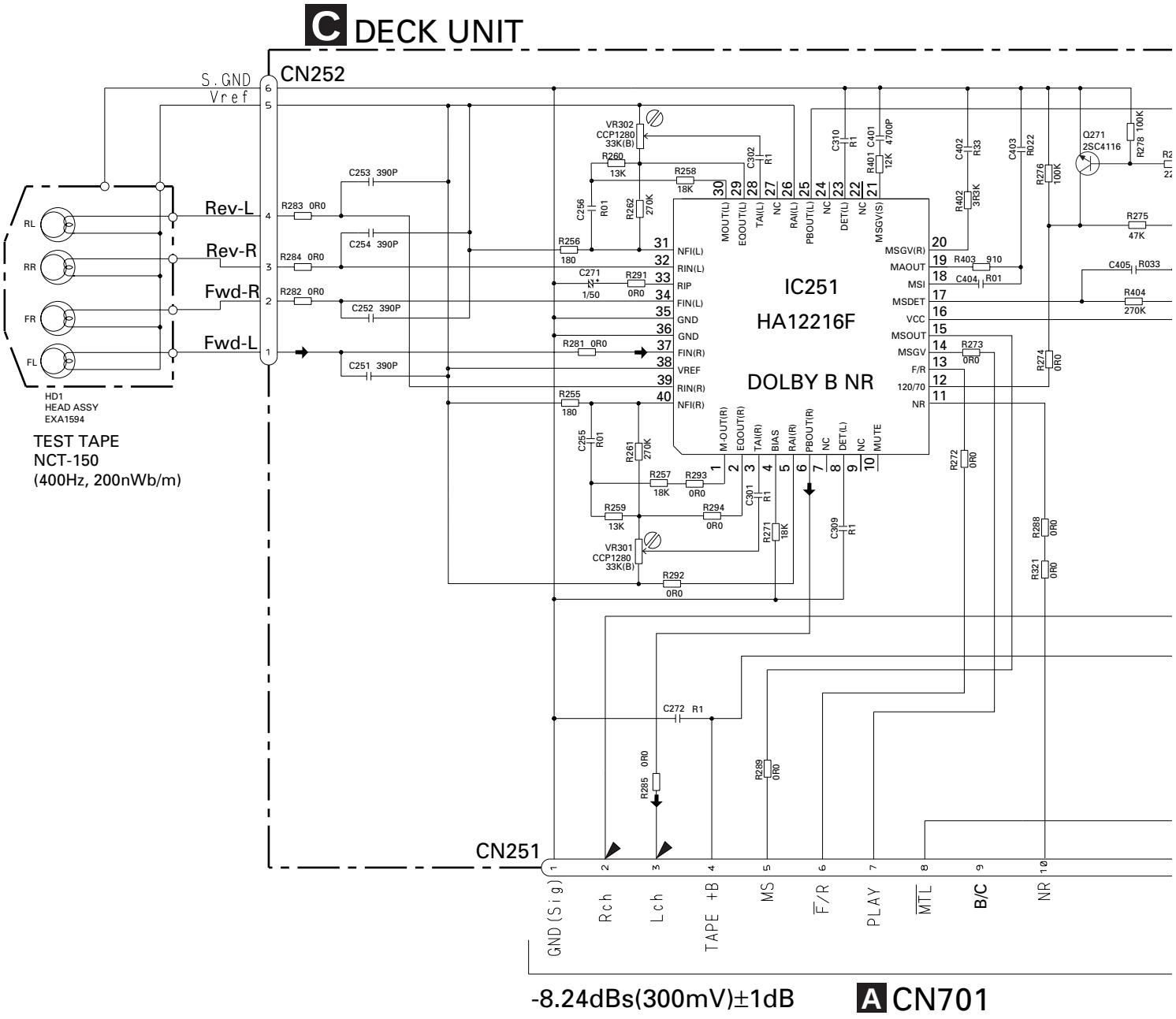

MW
SW2 VCC SEEK AMPNS
AM DET
FMSL R L FMSD FM RDS MONO/REQ/ST
ST COMP GND
IC2 PA4024A
LPF
REQ MONO
AMIN
DDS SENS
ARC τ
ENV τ
ENV SENS
PNS SENS
AGC GAIN
HPF
SMPNS
VCC
IFC
SD
200kSD
SD τ
SL
VCC
IFLPF
IFVREF
IFIN
IFGND
LOOPF
STIND
VCO
RCH
LCH
AFGND
MUTE ADJ
SD ADJ
HCC ADJ
ARC ADJ
MPDET
ENV HCC
SUB B
MUTE τ
HOLD C
PNSIN
COMP
HCC
MUTE
AFC
VREF
Q-IN
IFOUT
PNS
FM IF
Q151 DTC144EU
Q165 2SC4116
X151 CSS1365 918.5Hz
X231 CSS1111 10.26MHz
CF232
CF53
VR101 CCP1230 15K(B)
VR151 CCP1229 10K(B)
VR154 CCP1236 150K(B)
VR156 CCP1235 100K(B)

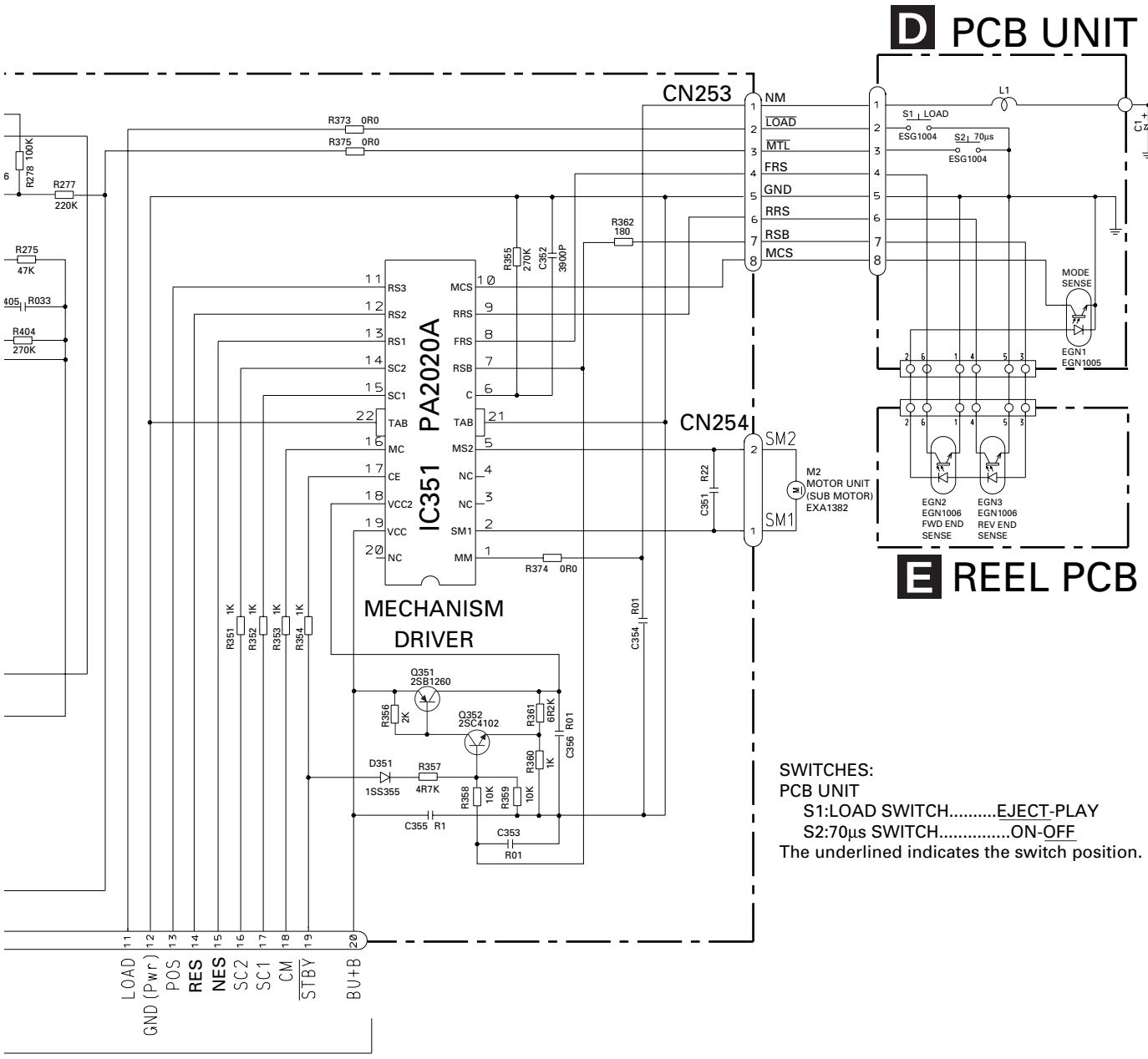
3.5 FM/AM TUNER UNIT(KEX-M8106ZT)


A
B FM/AM TUNER UNIT
AM ANT FM ANT RFGND LOC.L
LOC.H
FMVCC AMTV FMTV AMSL
VCO VCOGND AMIFC
FM FRONT END
AM OSC
FM OSC
AM RF
IC1 PA4026A
AGCIN AGC1 AGC2 IMDET RFGND IMMIX FMVREF MIX1 MIX1 FMVCC AMOSC AMVREF VCO VCOGND FMOSC AMVREF AMIFC AMSL AMOUT AMVREF AMIFOUT
AGC2 AGC3 AGC1IN AGC1 AGCADJ MIX1 MIX1 VCC MIXOUT MIXOUT VCC AGCIN RFGND IFIN IFOUT1 AMIFOUT IFIN MIX2 IFOUT2 IFGND XTAL
FM IF(10.7MHz)
AM 1ST IF(10.71MHz)


AMVCC
VCC
SEEK
AM PNS
AM DET
FMSL
R
L
FMSD
FM RDS
MONO/REQ/ST
ST
COMP
GND
AM DET
FM MPX
PNS
IC2 PA4024A
FM IF
LPF
LPF
REQ MONO
AMIN
DDS SENS
ARC τ
ENV τ
ENV SENS
PNS SENS
AGC
AGC GAIN
HPF
SMPNS
VCC
IFC
SD
200kSD
SD τ
SL
VCC
IFLPF
IFVREF
IFIN
IFGND
LOOPF
LOOPF
STIND
VCO
RCH
LCH
AFGND
MUTE ADJ
SD ADJ
HCC ADJ
ARC ADJ
MPDET
ENV HCC
SUB B
MUTE τ
HOLD C
PNSIN
COMP
HCC
MUTE
AFC
VREF
Q-IN
IFOUT
AMVREF
AMIFOUT
SEEK
AGC2IN
AMIFIN
IFGND
XTAL
XTAL
MIX2OUT
AMVCC
AM 2ND IF (450kHz)
Q165 2SC4116
Q151 DTC144EU
X151 CSS1365 918.5Hz
FM_AM
AM
FM

3.6 CASSETTE MECHANISM MODULE





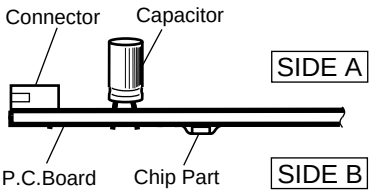
SWITCHES:
PCB UNIT
S1:LOAD SWITCH.....EJECT-PLAY
S2:70µs SWITCH.....ON-OFF
The underlined indicates the switch position.

4. PCB CONNECTION DIAGRAM

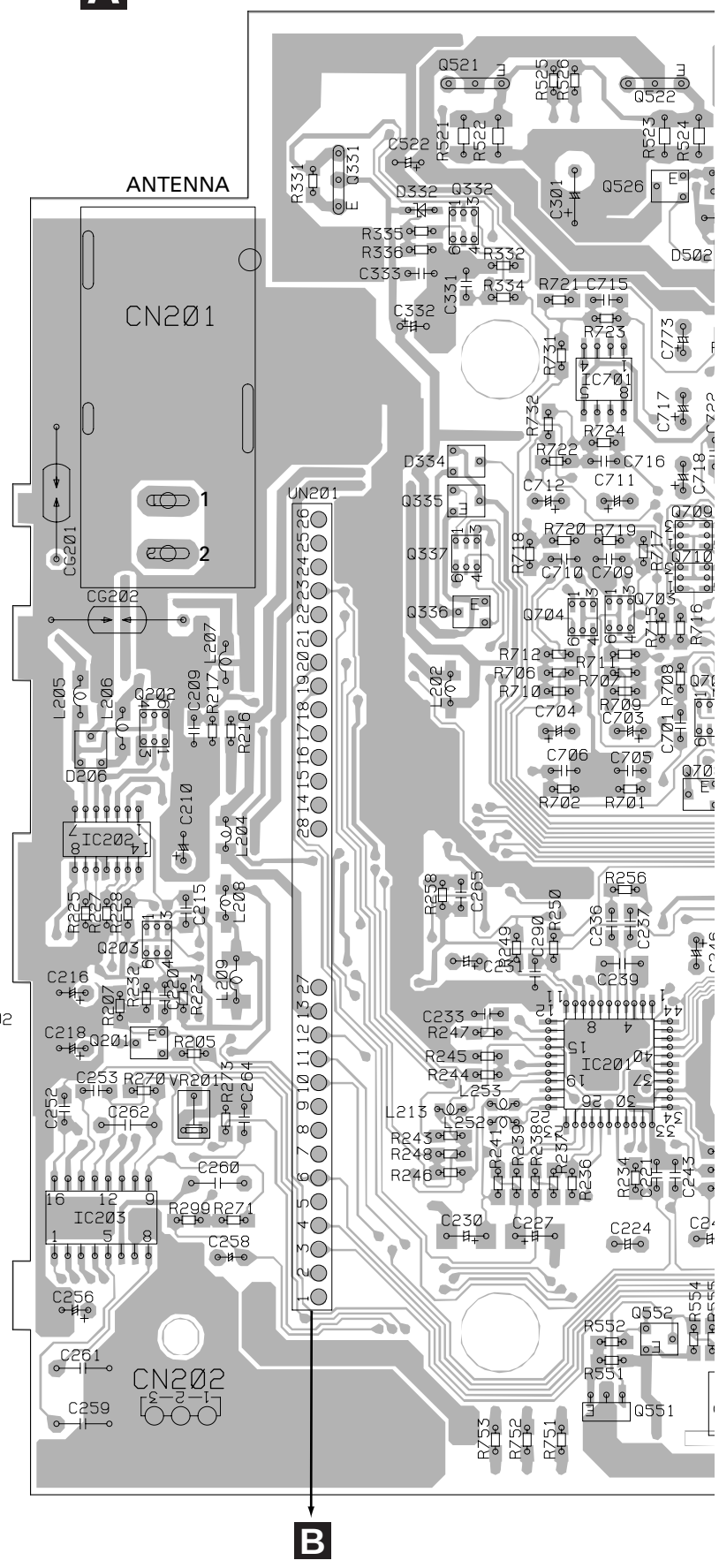
4.1 MAIN UNIT

NOTE FOR PCB DIAGRAMS

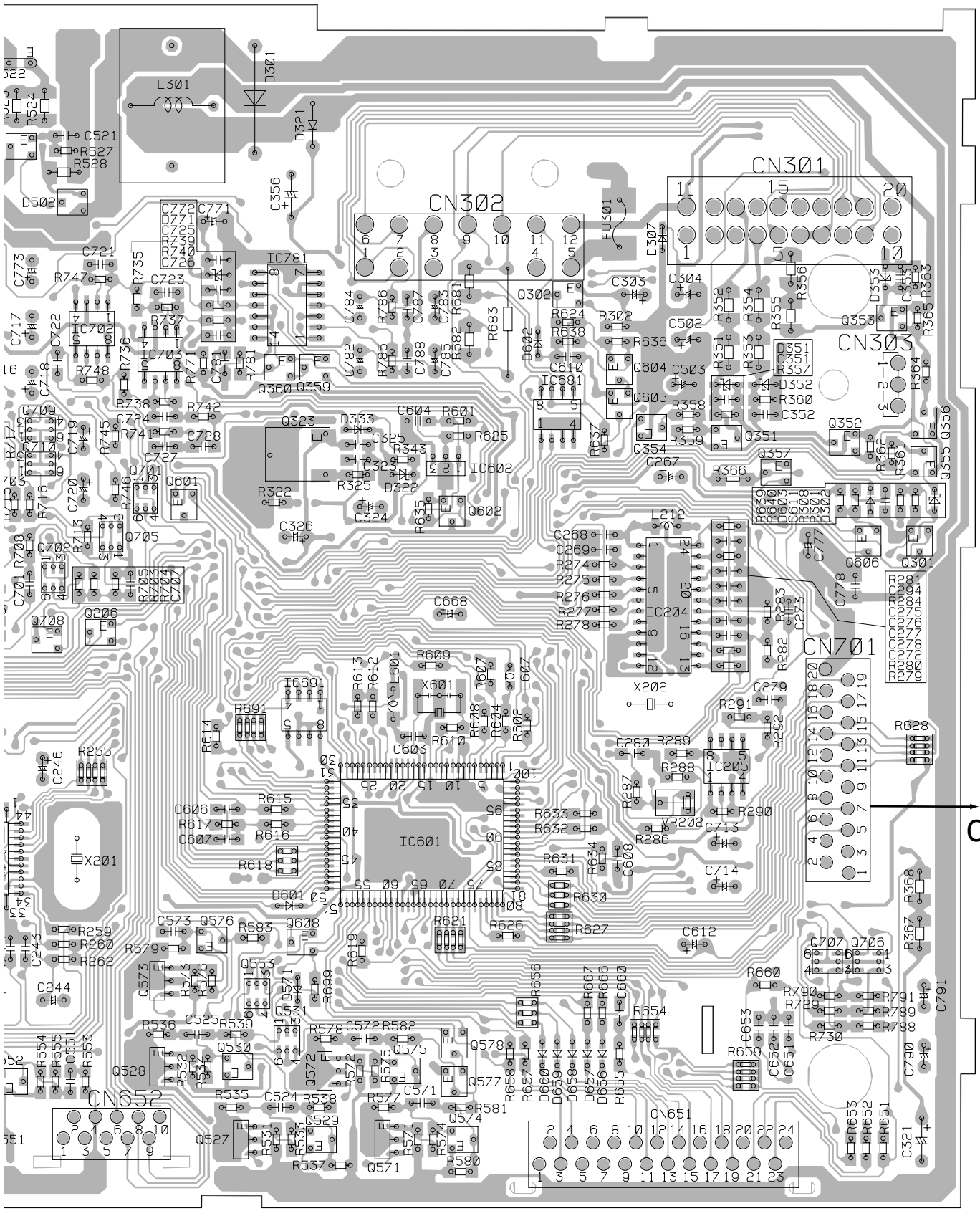
1. The parts mounted on this PCB include all necessary parts for several destination.
   For further information for respective destinations, be sure to check with the schematic diagram.
2. Viewpoint of PCB diagrams



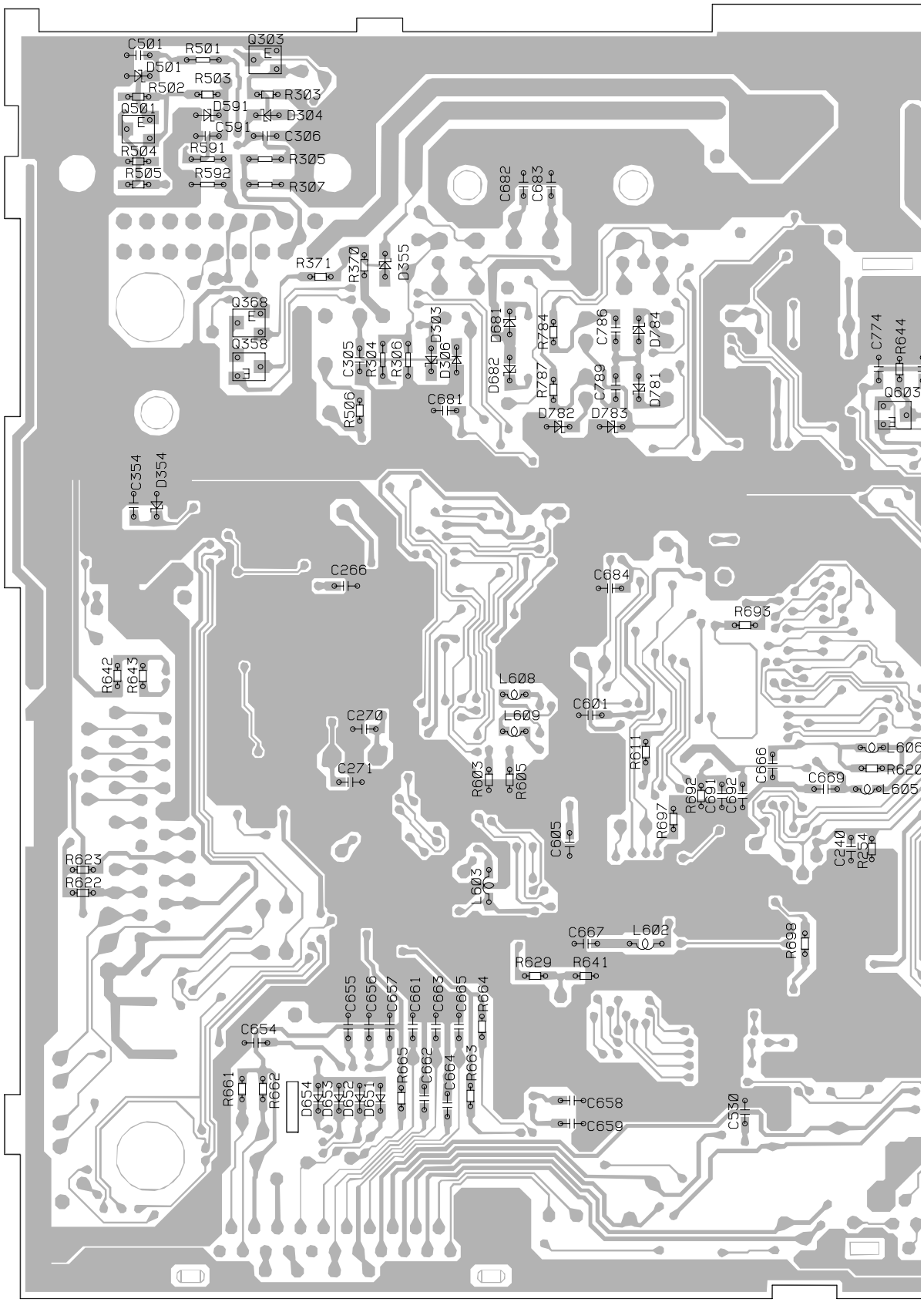
IC, Q	ADJ
Q521	
Q522	
Q331	
Q332 Q526	
IC781	
Q302	
IC701	
IC702 Q353	
IC703	
IC681 Q604	
Q360 Q359 Q605	
Q335 Q709	
Q323 Q352 Q356	
Q710 Q354 Q351	
Q337 IC602 Q357	
Q701 Q601 Q355	
Q703 Q336 Q704	
Q602	
Q705	
Q702	
Q202 Q606 Q301	
Q206 IC204	
Q708	
IC202	
IC691	
Q203 IC205	
	VR202
Q201 IC601	
IC201	
Q576 Q608	
Q707 Q706	
Q553	
IC203	
Q573	
Q531	
Q530 Q575 Q578	
Q552 Q528	
Q572 Q577	
Q529 Q574	
Q551 Q527	
Q571	



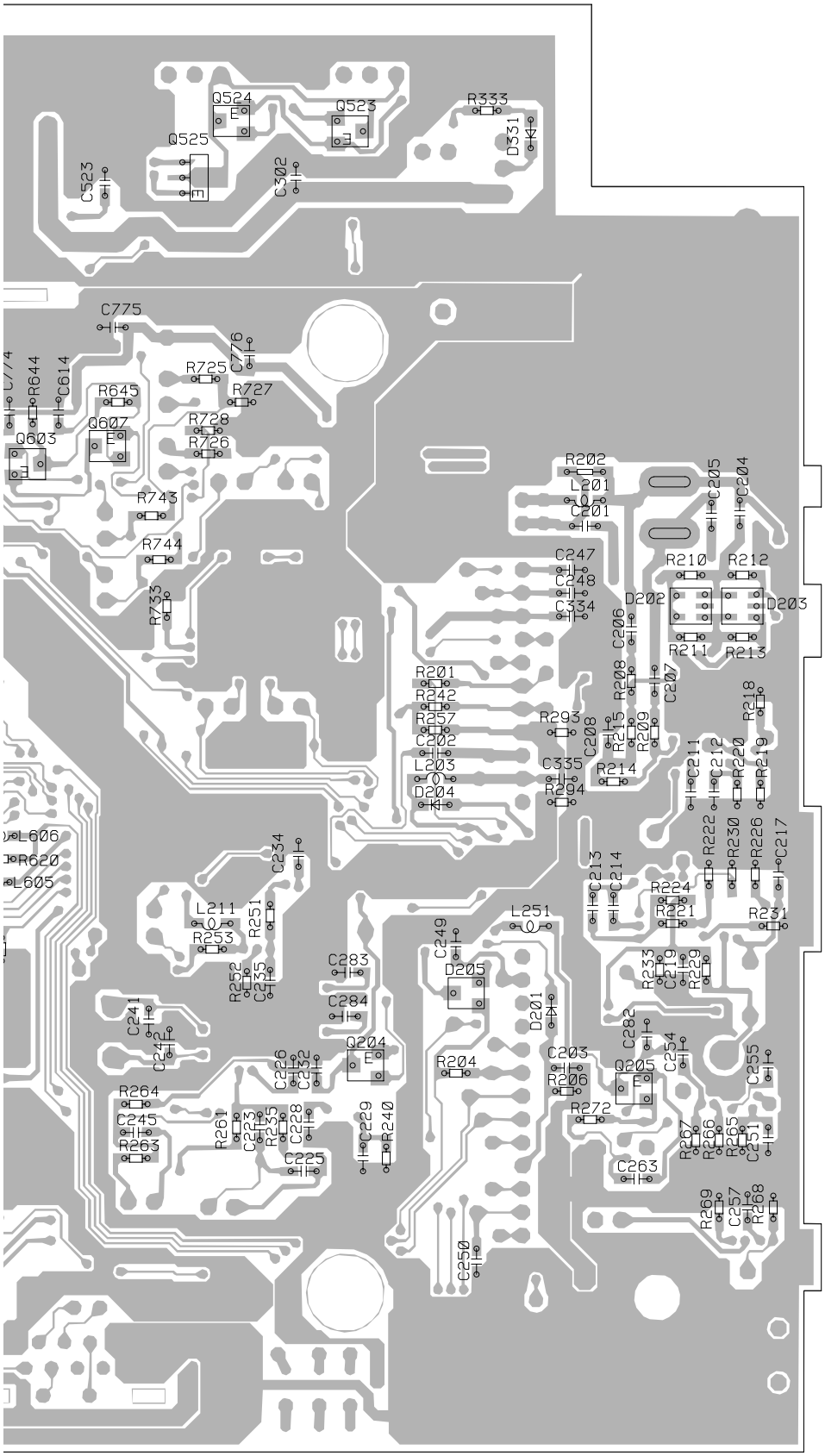
SIDE A


CN302
CN301
CN303
CN701
CN651
CN652
CN251
IC601
IC602
IC681
IC781
IC204
IC205
IC702
IC703
L301
X601
X202
X201
FU301
FRONT

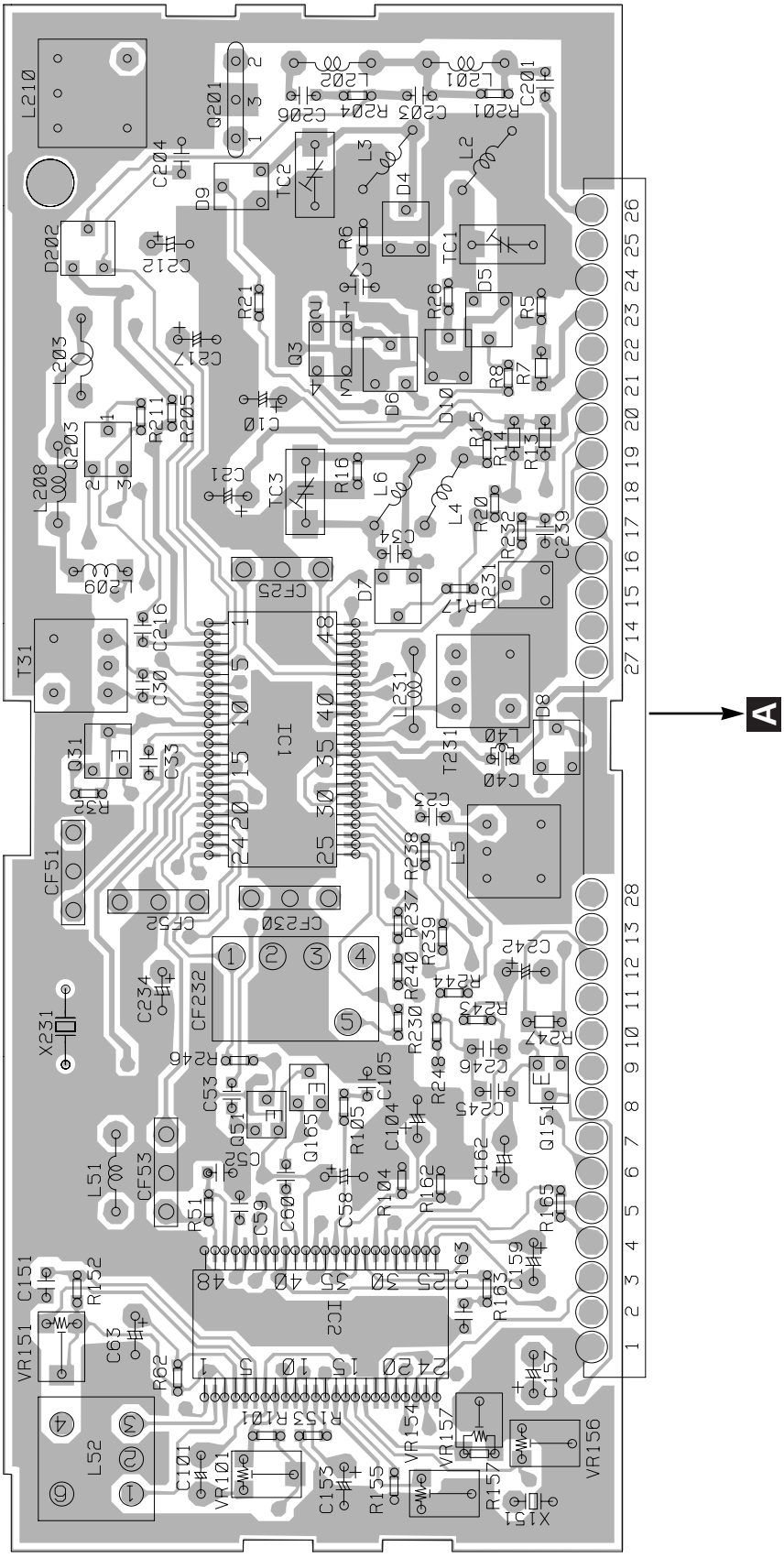
A MAIN UNIT


C501
R501
Q303
D501
R503
R502
R303
Q501
D591
D304
C591
C306
R504
R591
R305
R505
R592
R307
C682
C683
R371
R370
D355
Q358
Q355
C305
R304
R306
D303
D306
D681
R784
C786
D784
D682
R787
C789
D781
C681
R506
D782
D783
C774
R644
Q603
C354
D354
C266
C684
R693
R642
R643
L608
C601
C270
L609
C271
R603
R605
R611
C666
L606
R620
C669
L605
R692
C691
C692
R697
C605
C240
R234
R623
R622
L603
C667
L602
R698
R629
R641
C655
C656
C657
C661
C663
C665
R664
C654
R661
R662
D654
D653
D652
D651
R665
C662
C664
R663
C658
C659
C330

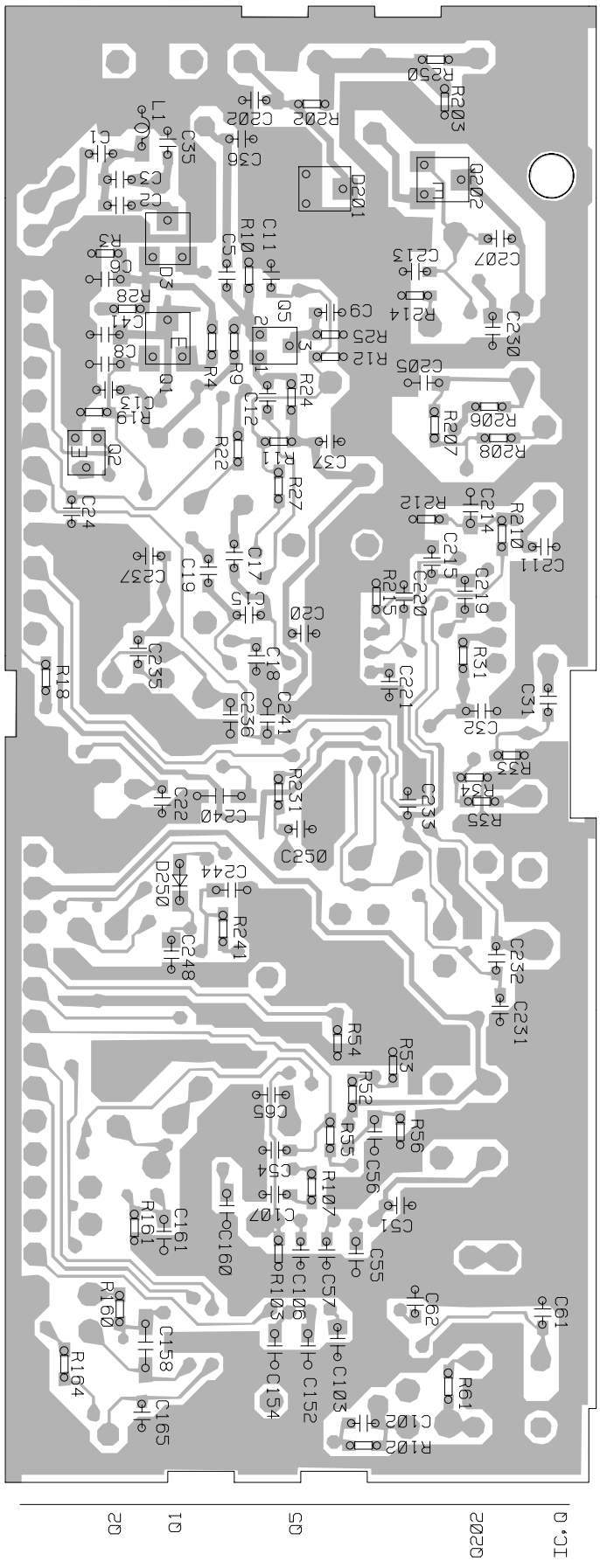
SIDE B


IC, Q
Q303
Q524 Q523
Q501
Q525
Q368
Q358
Q607
Q603
Q204
Q205
C775
C776
R725
R727
R645
R644
C614
Q607
Q603
R728
R726
R743
R744
R733
C523
Q524
Q523
Q525
C302
R333
D331
R202
L201
C201
C205
C204
C247
C248
C334
R210
R212
D202
D203
C206
R211
R213
R208
C207
R201
R242
R257
C202
L203
D204
R293
C208
R215
R209
C335
R214
R204
R218
C211
C212
R220
R219
R222
R230
R226
C217
C213
C214
R224
R221
R231
L606
R620
L605
C234
L211
R251
R253
R252
C235
C283
C284
C249
D205
L251
D201
C241
C242
Q204
C226
C232
R264
C245
R263
R261
C223
R235
C228
C225
C229
R240
C203
R206
C282
C254
Q205
C255
R272
R267
R266
R265
C251
C263
R269
C257
R268
C250

4.2 FM/AM TUNER UNIT(KEX-M8006ZT)



SIDE B


R203
Q202
D201
C202
C207
C230
R207
C214
R210
C215
C220
R215
C219
R31
C31
C221
C233
C232
C231
R54
R53
R52
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R56
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R107
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R103
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C165
R164
R160
C161
R161
C160
C235
C236
C241
R231
C22
C248
D250
R241
C24
R18
C19
C17
C18
C37
R22
R27
R24
C12
C11
R10
C5
C9
R4
R9
Q1
Q2
Q5
D3
C35
L1
C1
C2
C3
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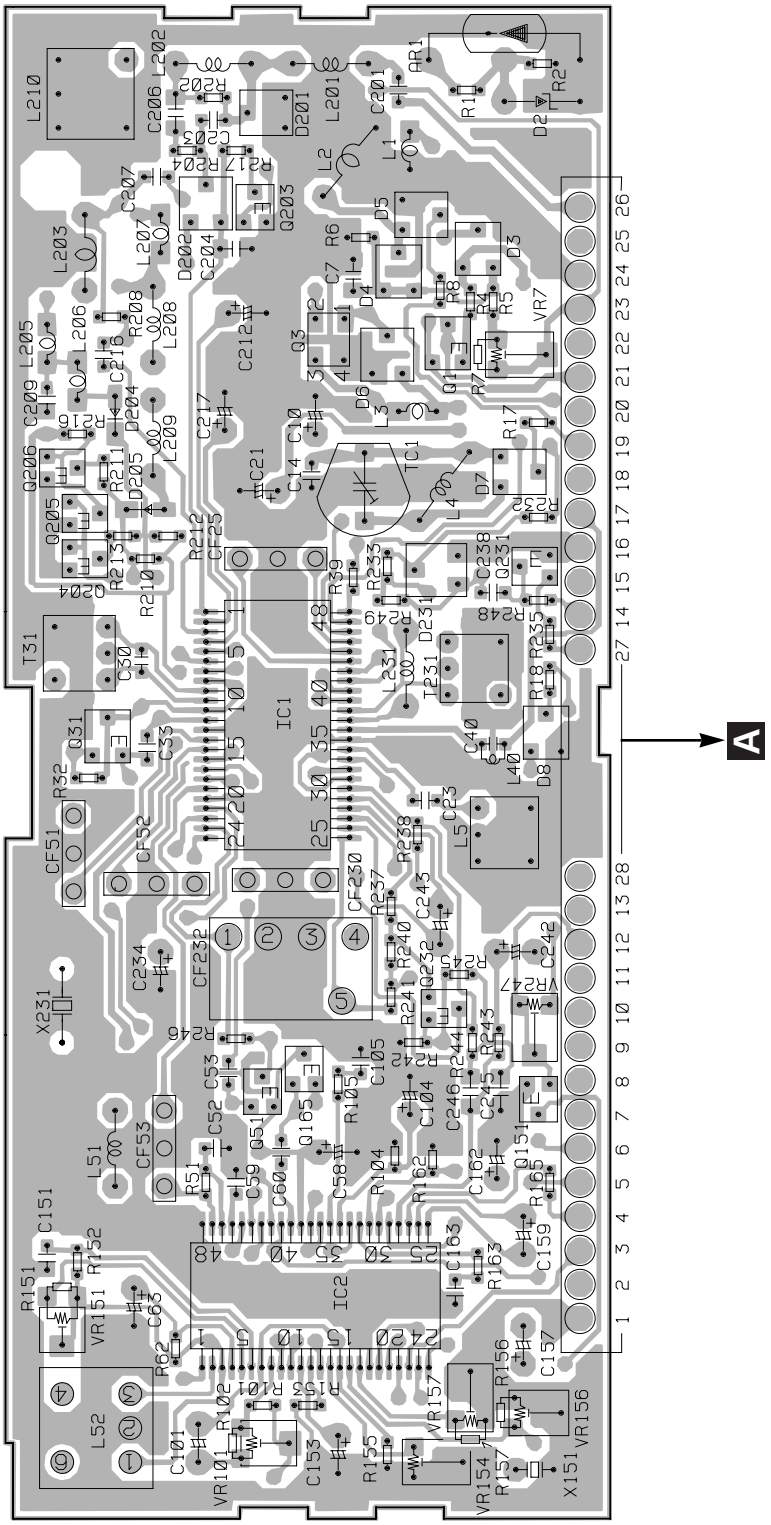
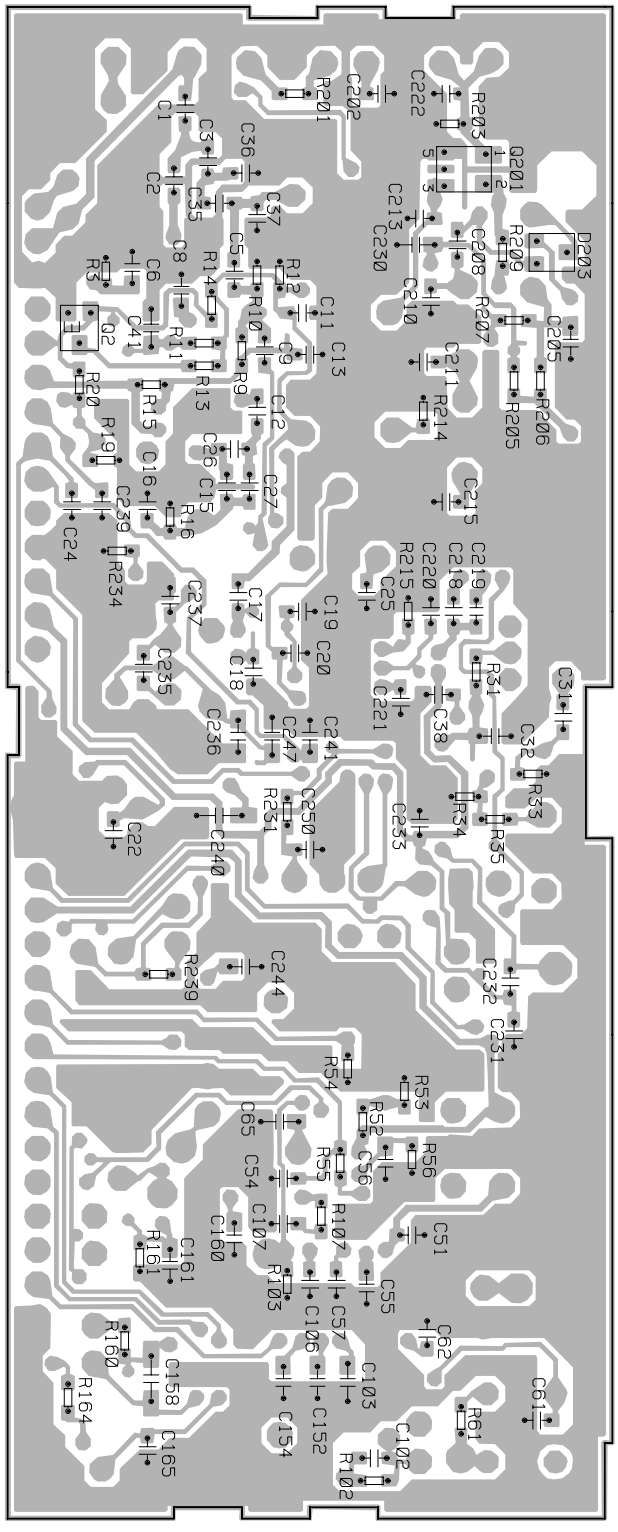
C286
C287
C288

4.3 FM/AM TUNER UNIT(KEX-M8106ZT)

SIDE A



SIDE B

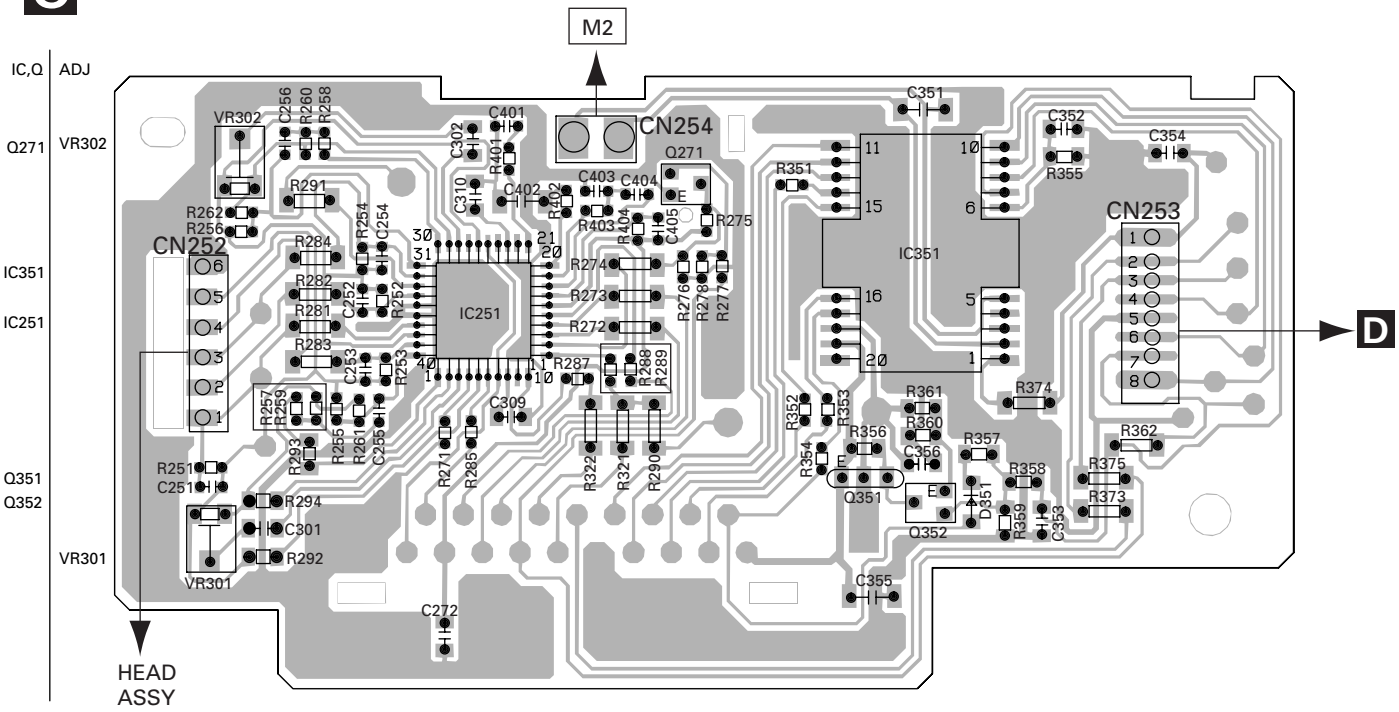


B FM/AM TUNER UNIT

4.4 CASSETTE MACHANISM MODULE

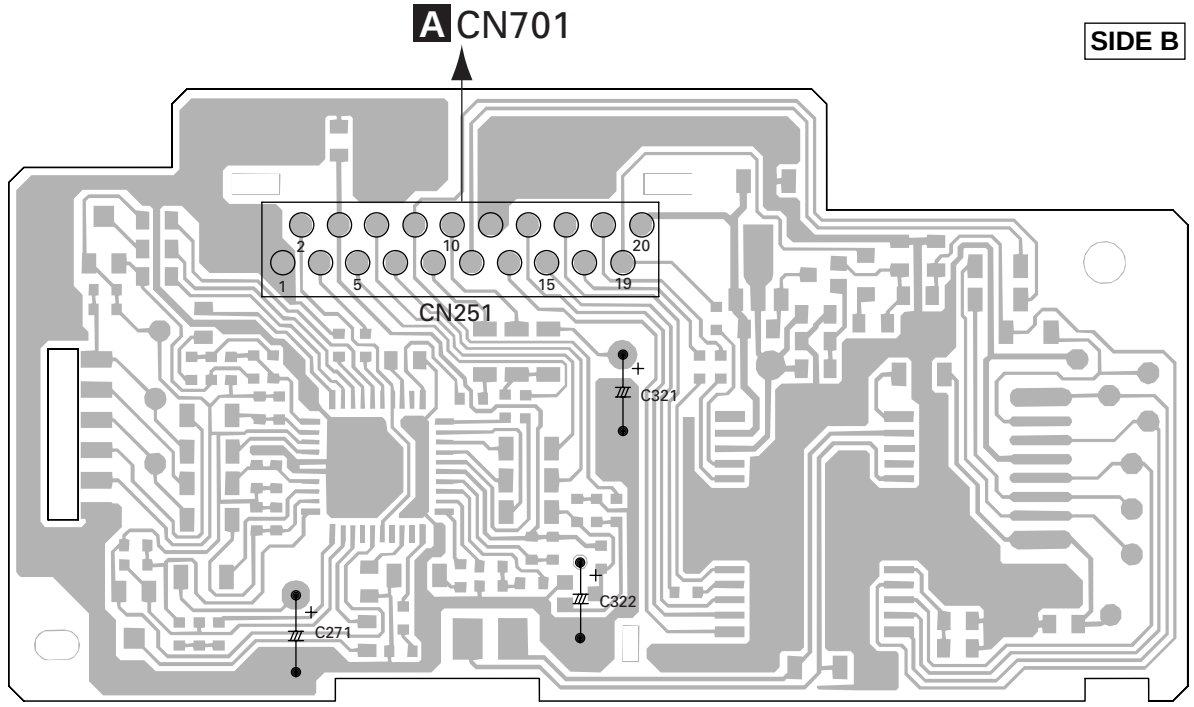
C DECK UNIT

SIDE A



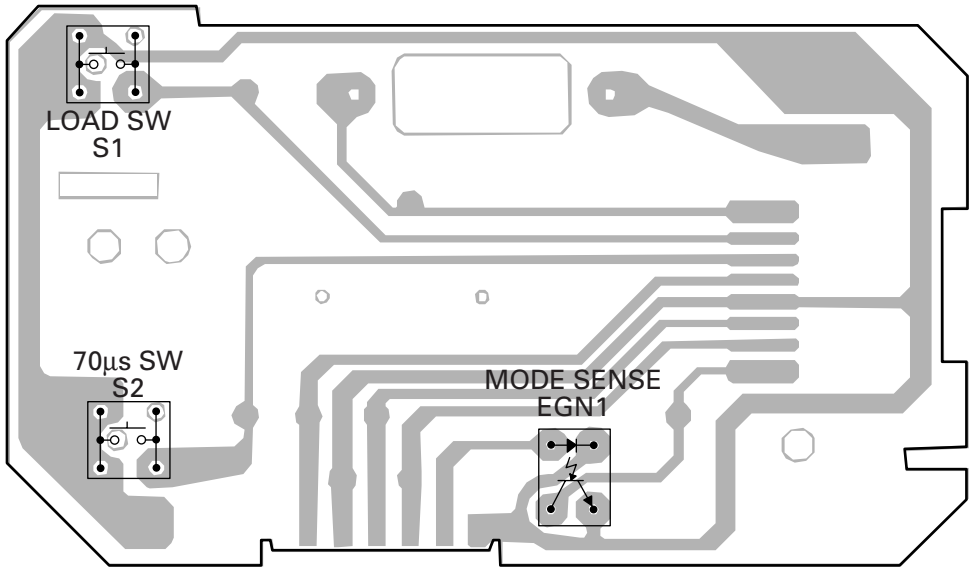
C DECK UNIT

SIDE B



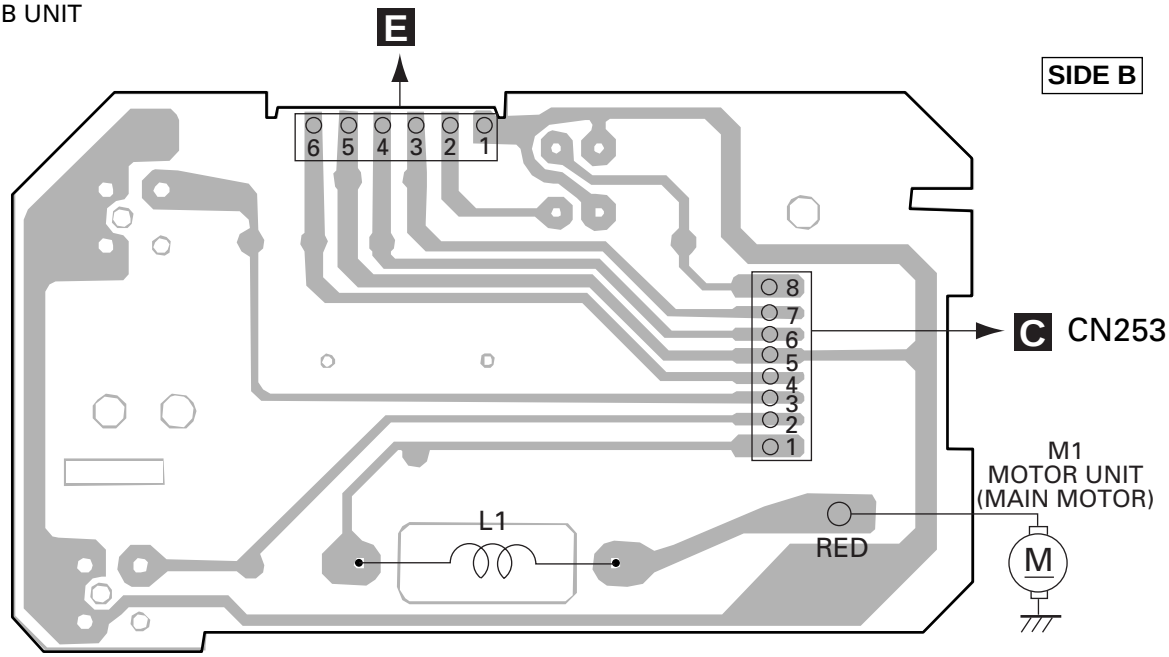
D PCB UNIT

SIDE A

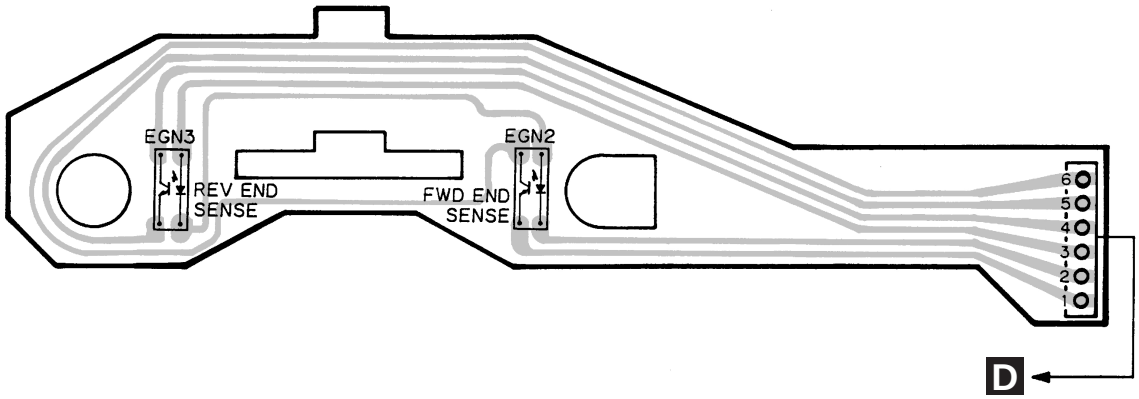


D PCB UNIT

SIDE B



E REEL UNIT



5. ELECTRICAL PARTS LIST

NOTE:

- Parts whose parts numbers are omitted are subject to being not supplied.
- The part numbers shown below indicate chip components.

Chip Resistor

RS1/○S○○○J,RS1/○○S○○○J

Chip Capacitor (except for CQS.....)

CKS....., CCS....., CSZS.....

B Unit Number : CWE1543(KEX-M8006ZT)
Unit Name : FM/AM Tuner Unit

MISCELLANEOUS

Circuit Symbol	No.	Part Name	Part No.
IC	1	IC	PA4026A
IC	2	IC	PA4024A
Q	1	Chip Transistor	2SC2712
Q	3	FET	3SK263
Q	5	Transistor	2SK1067
Q	31	Chip Transistor	2SC2712
Q	151	Transistor	DTC144EU
Q	165	Transistor	2SC4116
Q	201	FET	2SK291
Q	202	Chip Transistor	2SC2712
Q	203	FET	2SK2373
D	3	Diode	1SV251
D	4	Diode	1SV250
D	5	Diode	KV1410-F1
D	6	Diode	MA157
D	7	Diode	KV1410-F1
D	8	Diode	KV1410-F1
D	9	Diode	KV1410-F1
D	10	Diode	1SV250
D	201	Diode	MA157
D	202	Diode	1SV251
D	231	Diode	SVC253
L	1	Inductor	LCTBR12K2125
L	2	Air-core Coil	CTC1152
L	3	Air-core Coil	CTC1152
L	4	Air-core Coil	CTC1151
L	5	Coil	CTC1147
L	6	Air-core Coil	CTC1153
L	40	Inductor	LCTBR15K1608
L	51	Ferri-Inductor	LAU150K
L	52	Coil	CTC1136
L	201	Ferri-Inductor	LAU4R7K
L	202	Ferri-Inductor	LAU330K
L	203	Inductor	CTF1371
L	208	Inductor	LAU390K
L	209	Inductor	LCTA680J3225
L	210	Coil	CTB1103
L	231	Inductor	LAU3R3J
T	31	Coil	CTE1116
TC	1	Trimmer	CCL1019
TC	2	Trimmer	CCL1019
TC	3	Trimmer	CCL1019
CF	25	Ceramic Filter	CTF1292
CF	51	Ceramic Filter	CTF1292
CF	52	Ceramic Filter	CTF1292
CF	53	Ceramic Filter	CTF1292
CF	230	Crystal Filter	CTF1262
CF	232	Ceramic Filter	CTF1348
X	151	Radiator 918.5Hz	CSS1365
X	231	Crystal Resonator 10.26MHz	CSS1111
VR	101	Semi-fixed 15kΩ(B)	CCP1230
VR	151	Semi-fixed 10kΩ(B)	CCP1229
VR	154	Semi-fixed 150kΩ(B)	CCP1236
VR	156	Semi-fixed 100kΩ(B)	CCP1235

RESISTORS

Circuit Symbol	No.	Part No.
R	3	RS1/16S223J
R	4	RS1/16S101J
R	6	RS1/16S101J
R	8	RS1/16S332J
R	9	RS1/16S823J
R	10	RS1/16S223J
R	11	RS1/16S124J
R	12	RS1/16S474J
R	15	RS1/16S161J
R	16	RS1/16S104J
R	17	RS1/16S332J
R	18	RS1/16S332J
R	19	RS1/16S154J
R	21	RS1/16S332J
R	22	RS1/16S510J
R	24	RS1/16S101J
R	25	RS1/16S221J
R	26	RS1/16S102J
R	31	RS1/16S470J
R	32	RS1/16S912J
R	33	RS1/16S912J
R	34	RS1/16S331J
R	35	RS1/16S331J
R	51	RS1/16S331J
R	55	RS1/16S102J
R	56	RS1/16S823J
R	61	RS1/16S392J
R	62	RS1/16S273J
R	103	RS1/16S333J
R	104	RS1/16S334J
R	105	RS1/16S683J
R	107	RS1/16S222J
R	152	RS1/16S393J
R	155	RS1/16S393J
R	157	RS1/10S223J
R	160	RS1/16S222J
R	161	RS1/16S563J
R	162	RS1/16S225J
R	163	RS1/16S222J
R	164	RS1/16S823J
R	165	RS1/16S102J
R	201	RS1/16S103J
R	202	RS1/16S103J
R	203	RS1/16S225J
R	204	RS1/16S472J
R	205	RS1/16S471J
R	206	RS1/16S220J
R	207	RS1/16S101J
R	208	RS1/16S102J
R	210	RS1/16S125J

=====Circuit Symbol and No.		===Part Name	Part No.
R	211		RS1/16S223J
R	214		RS1/16S393J
R	215		RS1/16S104J
R	230		RS1/16S0R0J
R	231		RS1/16S242J
R	232		RS1/16S473J
R	237		RS1/16S103J
R	238		RS1/16S104J
R	239		RS1/16S104J
R	240		RS1/16S103J
R	241		RS1/16S202J
R	243		RS1/16S123J
R	244		RS1/16S103J
R	246		RS1/16S0R0J
R	247		RS1/10S303J
R	248		RS1/16S0R0J
R	250		RS1/16S0R0J

CAPACITORS

C	1		CCSRCH220J50
C	2		CKSRYB222K50
C	3		CCSRCH4R0D50
C	5		CKSRYB222K50
C	6		CKSQYB473K16
C	7		CKSQYB473K16
C	8		CKSQYB104K16
C	9		CKSRYB222K50
C	10		CEAL1R0M50
C	11		CCSRCH470J50
C	12		CCSRCJ3R0C50
C	13		CKSRYB222K50
C	15		CCSRCJ3R0D50
C	17		CCSRCH120J50
C	18		CKSRYB103K25
C	19		CCSRCH120J50
C	20		CKSRYB222K50
C	21		CEAL100M16
C	22		CCSRRH100D50
C	23		CCSRRH150J50
C	24		CCSRCH471J50
C	30		CCSRRH201J50
C	31		CKSRYB103K25
C	32		CKSQYB473K16
C	33		CCSRCH220J50
C	34		CCSRCH4R0D50
C	41		CKSQYB104K16
C	51		CKSRYB223K25
C	52		CKSRYB103K25
C	54		CCSRCH470J50
C	55		CKSQYB223K25
C	56		CKSQYB104K16
C	57		CKSRYB472K50
C	58		CEJA330M10
C	59		CKSRYB103K25
C	61		CCSRCH270J50
C	62		CKSRYB103K25
C	63		CEALR22M50
C	65		CKSQYB104K16
C	101		CEALNP100M10
C	102		CKSRYB182K50
C	103		CKSQYB682K50
C	104		CEAL2R2M50
C	105		CKSRYB103K25
C	106		CCSRCH151J50
C	107		CKSRYB103K25
C	151		CKSRYB562K25
C	152		CKSQYB104K16
C	153		CEAL3R3M50
C	154		CKSQYB104K16

=====Circuit Symbol and No.		===Part Name	Part No.
C	157		CEAL3R3M50
C	158		CKSYB474K16
C	159		CEAL220M6R3
C	160		CKSQYB104K16
C	161		CKSQYB104K16
C	162		CEAL3R3M50
C	163		CKSRYB102K50
C	165		CCSRCH100D50
C	201		CKSRYB103K25
C	202		CCSRCH100D50
C	203		CKSRYB332K50
C	204		CKSQYB473K16
C	205		CKSQYB473K16
C	206		CKSRYB103K25
C	207		CCSRCH120J50
C	211		CCSRCH560J50
C	212		CEAL680M10
C	213		CKSRYB103K25
C	214		CKSQYB225K10
C	215		CCSRCH680J50
C	216		CCSRCH101J50
C	217		CEAL2R2M50
C	219		CKSRYB223K25
C	220		CKSRYB103K25
C	221		CKSRYB103K25
C	230		CKSQYB104K16
C	231		CCSRCH330J50
C	232		CCSRCH150J50
C	233		CKSRYB103K25
C	234		CEJA330M10
C	235		CKSRYB332K50
C	236		CKSQYB473K16
C	237		CCSRTH180J50
C	239		CKSRYB103K25
C	240		CKSYB104K16
C	241		CKSQYB104K16
C	242		CEALR47M50
C	244		CKSQYB473K16
C	245		CKSQYB103K25
C	248		CKSQYB334K16
C	250		CCSRCJ3R0C50

B Unit Number : CWE1591(KEX-M8106ZT)
Unit Name : FM/AM Tuner Unit

MISCELLANEOUS

IC	1	IC	PA4026A
IC	2	IC	PA4024A
Q	1	Chip Transistor	2SC2712
Q	3	FET	3SK263
Q	31	Chip Transistor	2SC2712
Q	151	Transistor	DTC144EU
Q	165	Transistor	2SC4116
Q	201	Transistor	FC12
Q	203	Transistor	DTC124EU
D	3	Diode	1SV251
D	4	Diode	1SV250
D	5	Diode	KV1410-F1
D	6	Diode	MA157
D	7	Diode	KV1410-F1
D	8	Diode	KV1410-F1
D	201	Diode	MA157
D	202	Diode	1SV251
D	231	Diode	SVC253
L	1	Inductor	LCTBR12K2125
L	2	Coil	CTC1145

Circuit Symbol and No.		Part Name	Part No.
L	3	Inductor	LCTB4R7K2125
L	4	Coil	CTC1131
L	5	Coil	CTC1147
L	40	Inductor	LCTBR15K1608
L	51	Ferri-Inductor	LAU150K
L	52	Coil	CTC1136
L	201	Ferri-Inductor	LAU4R7K
L	202	Ferri-Inductor	LAU330K
L	203	Inductor	CTF1371
L	208	Inductor	LAU390K
L	209	Ferri-Inductor	LAU680K
L	210	Coil	CTB1102
L	231	Inductor	LAU3R3J
T	31	Coil	CTE1116
TC	1		CCL1046
CF	25	Ceramic Filter	CTF1292
CF	51	Ceramic Filter	CTF1292
CF	52	Ceramic Filter	CTF1292
CF	53	Ceramic Filter	CTF1292
CF	230	Crystal Filter	CTF1262
CF	232	Ceramic Filter	CTF1348
X	151	Radiator 918.5Hz	CSS1365
X	231	Crystal Resonator 10.26MHz	CSS1111
VR	101	Semi-fixed 15kΩ(B)	CCP1230
VR	151	Semi-fixed 10kΩ(B)	CCP1229
VR	154	Semi-fixed 150kΩ(B)	CCP1236
VR	156	Semi-fixed 68kΩ(B)	CCP1234

RESISTORS

Circuit Symbol and No.		Part No.
R	3	RS1/16S223J
R	4	RS1/16S101J
R	5	RS1/16S151J
R	6	RS1/16S101J
R	7	RS1/10S331J
R	8	RS1/16S332J
R	9	RS1/16S473J
R	10	RS1/16S223J
R	11	RS1/16S124J
R	12	RS1/16S474J
R	15	RS1/16S271J
R	16	RS1/16S104J
R	17	RS1/16S332J
R	18	RS1/16S332J
R	19	RS1/16S154J
R	27	RS1/16S0R0J
R	31	RS1/16S470J
R	32	RS1/16S912J
R	33	RS1/16S912J
R	34	RS1/16S331J
R	35	RS1/16S331J
R	39	RS1/16S0R0J
R	51	RS1/16S331J
R	55	RS1/16S102J
R	56	RS1/16S823J
R	61	RS1/16S392J
R	62	RS1/16S393J
R	103	RS1/16S333J
R	104	RS1/16S334J
R	105	RS1/16S683J
R	107	RS1/16S222J
R	152	RS1/16S393J
R	155	RS1/16S393J
R	157	RS1/10S203J
R	160	RS1/16S222J
R	161	RS1/16S563J
R	162	RS1/16S225J
R	163	RS1/16S222J
R	164	RS1/16S563J
R	165	RS1/16S102J
R	202	RS1/16S223J
R	203	RS1/16S225J
R	204	RS1/16S103J
R	205	RS1/16S471J
R	206	RS1/16S220J
R	207	RS1/16S101J
R	208	RS1/16S102J
R	209	RS1/16S0R0J
R	214	RS1/16S563J
R	215	RS1/16S473J
R	217	RS1/16S393J
R	220	RS1/10S0R0J
R	231	RS1/16S242J
R	232	RS1/16S473J
R	233	RS1/16S0R0J
R	234	RS1/16S0R0J
R	237	RS1/16S562J
R	238	RS1/16S104J
R	239	RS1/16S104J
R	240	RS1/16S472J
R	241	RS1/16S202J
R	243	RS1/16S123J
R	244	RS1/16S103J
R	245	RS1/16S0R0J
R	246	RS1/16S0R0J
R	247	RS1/10S153J

CAPACITORS

Circuit Symbol and No.		Part No.
C	1	CCSRCH220J50
C	2	CKSRYB222K50
C	3	CCSRCH6R0D50
C	5	CKSRYB222K50
C	6	CKSQYB473K16
C	7	CKSQYB473K16
C	8	CKSQYB104K16
C	9	CCSRCJ3R0C50
C	10	CEAL1R0M50
C	11	CCSRCH470J50
C	12	CCSRCH820J50
C	13	CKSRYB222K50
C	14	CCSRCH4R0D50
C	16	CCSRCH120J50
C	17	CKSRYB222K50
C	18	CKSRYB103K25
C	19	CKSRYB222K50
C	20	CKSRYB222K50
C	21	CEAL100M16
C	22	CCSRRH100D50
C	23	CCSRRH150J50
C	24	CCSRCH471J50
C	30	CCSRRH201J50
C	31	CKSRYB103K25
C	32	CKSQYB473K16
C	33	CCSRCK2R0C50
C	35	CCSRCH220J50
C	36	CCSRCH100D50
C	41	CKSQYB104K16
C	51	CKSRYB223K25
C	52	CKSRYB103K25
C	54	CCSRCH470J50
C	55	CKSQYB223K25
C	56	CKSQYB104K16
C	57	CKSRYB472K50
C	58	CEJA330M10
C	59	CKSRYB103K25
C	61	CCSRCH270J50
C	62	CKSRYB103K25
C	63	CEALR15M50

=====Circuit Symbol and No.		===Part Name	Part No.
C	65		CKSQYB104K16
C	101		CEALNP100M10
C	102		CKSRYB182K50
C	103		CKSQYB682K50
C	104		CEAL2R2M50
C	105		CKSRYB103K25
C	106		CCSRCH151J50
C	107		CKSRYB103K25
C	151		CKSRYB392K50
C	152		CKSQYB104K16
C	153		CEAL3R3M50
C	154		CKSQYB104K16
C	157		CEAL3R3M50
C	158		CKSYB474K16
C	159		CEAL220M6R3
C	160		CKSQYB104K16
C	161		CKSQYB104K16
C	162		CEAL3R3M50
C	163		CKSRYB102K50
C	165		CCSRCH100D50
C	201		CKSRYB103K25
C	202		CCSRCH100D50
C	203		CKSRYB332K50
C	204		CKSQYB473K16
C	205		CKSQYB473K16
C	206		CKSQYB103K25
C	207		CCSRCH120J50
C	211		CCSRCH560J50
C	212		CEJA470M10
C	213		CKSRYB103K25
C	215		CCSRCH680J50
C	216		CCSRCH101J50
C	217		CEAL1R0M50
C	219		CKSRYB223K25
C	220		CKSRYB103K25
C	221		CKSRYB103K25
C	230		CKSQYB104K16
C	231		CCSRCH330J50
C	232		CCSRCH150J50
C	233		CKSRYB103K25
C	234		CEJA330M10
C	235		CKSRYB332K50
C	236		CKSQYB473K16
C	237		CCSRTH180J50
C	239		CKSRYB103K25
C	240		CKSYB104K16
C	241		CKSQYB104K16
C	242		CEALR47M50
C	243		CEALR33M50
C	244		CKSQYB473K16
C	245		CKSQYB103K25
C	247		CKSQYB473K16
C	250		CCSRCJ3R0C50

A Unit Number : CWM7097(KEX-M8006ZT)
Unit Name : Main Unit

MISCELLANEOUS

IC	201	IC	PM2007A
IC	202	IC	LA1061M
IC	204	IC	PM4006B
IC	205	IC	NJM2903M
IC	601	IC	PD5579A
IC	602	IC	S-80736AN-D0
IC	681	IC	HA12187FP
IC	701	IC	NJM2068MD
IC	702	IC	NJM2068MD
IC	703	IC	NJM2068MD

=====Circuit Symbol and No.		===Part Name	Part No.
IC	781	IC	TC74HC4066AF
Q	201	Chip Transistor	2SC2712
Q	203	Transistor	IMX1
Q	204	Chip Transistor	2SC2712
Q	205	Chip Transistor	2SC2712
Q	206	Chip Transistor	2SC2712
Q	301	Chip Transistor	2SC2712
Q	302	Transistor	DTC144TK
Q	303	Transistor	DTC144TK
Q	323	Transistor	2SD2318F5
Q	331	Transistor	2SB1185
Q	332	Transistor	IMX1
Q	335	Transistor	DTB123EK
Q	336	Transistor	DTB123EK
Q	337	Transistor	IMX1
Q	351	Transistor	2SA1255
Q	354	Transistor	DTC144EK
Q	357	Transistor	DTC114EK
Q	358	Transistor	DTA114EK
Q	359	Transistor	DTC114EK
Q	360	Transistor	DTA114EK
Q	368	Chip Transistor	2SC2712
Q	521	Transistor	2SB1185
Q	601	Transistor	DTA144EK
Q	602	Transistor	2SA1162
Q	603	Transistor	DTA114EK
Q	604	Transistor	2SA1162
Q	605	Transistor	DTC144EK
Q	607	Chip Transistor	2SC2712
Q	608	Transistor	DTA114EK
Q	701	Transistor	IMH4
Q	702	Transistor	IMX1
Q	703	Transistor	IMH4
Q	704	Transistor	IMH4
Q	705	Transistor	IMH4
Q	706	Transistor	IMH4
Q	707	Transistor	IMH4
Q	708	Transistor	2SC2412K
Q	709	Transistor	IMH4
Q	710	Transistor	IMH4
D	201	Diode	1SS355
D	202	Diode	1SV241
D	203	Diode	1SV241
D	204	Diode	1SS355
D	205	Diode	MA152WK
D	206	Diode	DAP202K
D	301	Diode	ERC05-10B
D	302	Diode	HZU8R2(B1)
D	303	Diode	HZU8R2(B1)
D	304	Diode	HZU8R2(B1)
D	306	Diode	1SS355
D	307	Diode	1SS355
D	321	Diode	ERA15-02VH
D	322	Diode	UDZS5R6(B)
D	331	Diode	1SS355
D	332	Diode	HZU8R2(B1)
D	333	Diode	1SS355
D	334	Diode	MA152WK
D	351	Diode	UDZ20(B)
D	354	Diode	UDZ20(B)
D	355	Diode	HZU8R2(B3)
D	601	Diode	1SS355
D	602	Diode	1SS355
D	651	Diode	1SS355
D	681	Diode	UDZ18(B)
D	682	Diode	UDZ18(B)
D	771	Diode	HZU4R3(B2)
D	781	Diode	UDZS10(B)
D	782	Diode	UDZS10(B)
D	783	Diode	UDZS10(B)

Circuit Symbol and No.		Part Name	Part No.
D	784	Diode	UDZS10(B)
L	201	Inductor	LCTB4R7K3216
L	202	Inductor	LCTA4R7J3225
L	203	Inductor	LCTA4R7J2520
L	204	Inductor	LCTA4R7J3225
L	205	Inductor	LCTB6R8K3216
L	206	Inductor	LCTB6R8K3216
L	207	Inductor	LCTB6R8K3216
L	208	Inductor	LCTA4R7J3225
L	209	Inductor	LCTA561J4532
L	211	Inductor	LCTA2R2J2520
L	212	Inductor	LCTA101J3225
L	213	Inductor	CTF1305
L	251	Inductor	LCTA101J2520
L	252	Inductor	LCTB2R2K2125
L	253	Inductor	LCTB2R2K2125
L	301	Coil 350µH	CTH1092
L	601	Inductor	LCTB100K3216
L	602	Inductor	LCTB100K3216
L	603	Inductor	LCTB100K3216
L	605	Inductor	CTF1305
L	606	Inductor	CTF1305
CG	201	Surge Protector	DSP-201M-A21F
CG	202	Surge Protector	DSP-201M-A21F
X	201	Crystal Resonator 7.200MHz	CSS1379
X	202	Crystal Resonator 4.332MHz	CSS1056
X	601	Radiator 10.00MHz	CSS1428
VR	202	Semi-fixed 2.2kΩ(B)	CCP1392
FU	301	Fuse 5A	CEK1195
		FM/AM Tuner Unit	CWE1543

RESISTORS

Circuit Symbol and No.		Part Name	Part No.
R	201		RS1/10S103J
R	204		RS1/10S102J
R	205		RS1/10S471J
R	206		RS1/10S105J
R	207		RS1/10S472J
R	210		RS1/10S225J
R	211		RS1/10S225J
R	212		RS1/10S225J
R	213		RS1/10S225J
R	217		RS1/10S102J
R	218		RS1/10S103J
R	219		RS1/10S103J
R	220		RS1/10S104J
R	221		RS1/10S473J
R	222		RS1/10S473J
R	223		RS1/10S224J
R	224		RS1/10S103J
R	225		RS1/10S334J
R	226		RS1/10S101J
R	227		RS1/10S101J
R	228		RS1/10S104J
R	229		RS1/10S104J
R	230		RS1/10S103J
R	231		RS1/10S182J
R	232		RS1/10S683J
R	233		RS1/10S153J
R	234		RS1/10S103J
R	235		RS1/10S561J
R	236		RS1/10S472J
R	237		RS1/10S682J
R	238		RS1/10S102J
R	239		RS1/10S222J
R	240		RS1/10S682J
R	241		RS1/10S472J
R	242		RS1/10S331J
R	243		RS1/10S102J
R	244		RS1/10S102J
R	245		RS1/10S473J
R	246		RS1/10S562J
R	247		RS1/10S222J
R	248		RS1/10S562J
R	249		RS1/10S222J
R	250		RS1/10S222J
R	251		RS1/10S102J
R	252		RS1/10S473J
R	253		RS1/10S472J
R	254		RS1/10S473J
R	255	2.2kΩ	CCN1121
R	256		RS1/10S0R0J
R	258		RS1/10S393J
R	259		RS1/10S272J
R	260		RS1/10S392J
R	261		RS1/10S222J
R	262		RS1/10S392J
R	263		RS1/10S152J
R	264		RS1/10S332J
R	272		RS1/10S333J
R	273		RS1/10S272J
R	274		RS1/10S102J
R	275		RS1/10S102J
R	276		RS1/10S102J
R	277		RS1/10S102J
R	278		RS1/10S102J
R	279		RS1/10S102J
R	280		RS1/10S102J
R	281		RS1/10S104J
R	282		RS1/10S562J
R	283		RS1/10S104J
R	284		RS1/10S333J
R	286		RS1/10S681J
R	287		RS1/10S222J
R	288		RS1/10S102J
R	289		RS1/10S562J
R	290		RS1/10S684J
R	291		RS1/10S222J
R	292		RS1/10S222J
R	293		RS1/10S0R0J
R	299		RS1/10S223J
R	301		RS1/10S104J
R	302		RS1/10S104J
R	303		RS1/10S104J
R	304		RS1/8S222J
R	305		RS1/8S222J
R	306		RS1/8S472J
R	307		RS1/8S472J
R	308		RS1/10S473J
R	322		RS1/10S223J
R	325		RS1/10S101J
R	331		RS1/10S223J
R	332		RS1/10S102J
R	333		RS1/10S331J
R	334		RS1/10S103J
R	335		RS1/10S471J
R	336		RS1/10S102J
R	343		RS1/10S472J
R	351		RS1/4S101J
R	352		RS1/4S101J
R	357		RS1/10S473J
R	358		RS1/10S103J
R	359		RS1/10S103J
R	366		RS1/8S221J
R	370		RS1/10S104J
R	371		RS1/10S473J
R	601		RS1/10S104J
R	604		RS1/10S102J

Circuit Symbol and No.			Part Name	Part No.
R	605			RS1/10S473J
R	609			RS1/10S102J
R	610			RS1/10S681J
R	611			RS1/10S102J
R	612			RS1/10S102J
R	613			RS1/10S473J
R	614			RS1/10S473J
R	615			RS1/10S103J
R	616			RS1/10S103J
R	617			RS1/10S472J
R	618			RA3C103J
R	619			RS1/10S102J
R	621			CCN1120
R	622			RS1/10S473J
R	623			RS1/10S473J
R	624			RS1/10S473J
R	625			RS1/10S104J
R	626			RS1/10S223J
R	627	1kΩ		CCN1120
R	628	47kΩ		CCN1131
R	629			RS1/10S102J
R	630			RA3C102J
R	631			RS1/10S681J
R	632			RS1/10S102J
R	633			RS1/10S102J
R	634			RS1/10S473J
R	635			RS1/10S103J
R	636			RS1/10S472J
R	637			RS1/10S473J
R	638			RS1/10S222J
R	641			RS1/10S473J
R	644			RS1/10S102J
R	645			RS1/10S103J
R	652			RS1/10S102J
R	653			RS1/10S102J
R	654	1kΩ		CCN1120
R	655			RS1/10S102J
R	657			RS1/10S102J
R	658			RS1/10S102J
R	659	47kΩ		CCN1131
R	661			RS1/10S473J
R	662			RS1/10S473J
R	663			RS1/10S473J
R	664			RS1/10S473J
R	665			RS1/10S473J
R	681			RS1/4S101J
R	682			RS1/4S101J
R	683			RS1PMF680J
R	693			RS1/10S473J
R	697			RS1/10S473J
R	701			RS1/10S392J
R	702			RS1/10S392J
R	703			RS1/10S224J
R	704			RS1/10S224J
R	705			RS1/10S224J
R	706			RS1/10S222J
R	707			RS1/10S222J
R	708			RS1/10S822J
R	709			RS1/10S102J
R	710			RS1/10S102J
R	711			RS1/10S222J
R	712			RS1/10S222J
R	713			RS1/10S102J
R	715			RS1/10S272J
R	716			RS1/10S272J
R	717			RS1/10S222J
R	718			RS1/10S222J
R	719			RS1/10S103J
R	720			RS1/10S103J
R	721			RS1/10S393J
R	722			RS1/10S393J
R	723			RS1/10S823J
R	724			RS1/10S823J
R	725			RS1/10S102J
R	726			RS1/10S102J
R	727			RS1/10S473J
R	728			RS1/10S473J
R	729			RS1/10S222J
R	730			RS1/10S222J
R	731			RS1/10S682J
R	732			RS1/10S682J
R	733			RS1/10S392J
R	735			RS1/10S222J
R	736			RS1/10S222J
R	737			RS1/10S222J
R	738			RS1/10S222J
R	739			RS1/10S470J
R	740			RS1/10S470J
R	741			RS1/10S470J
R	742			RS1/10S470J
R	743			RS1/10S102J
R	744			RS1/10S102J
R	745			RS1/10S473J
R	746			RS1/10S473J
R	747			RS1/10S473J
R	748			RS1/10S473J
R	751			RS1/10S0R0J
R	752			RS1/10S0R0J
R	771			RS1/10S102J
R	781			RS1/10S223J
R	784			RS1/10S470J
R	785			RS1/10S470J
R	786			RS1/10S470J
R	787			RS1/10S470J
R	788			RS1/10S272J
R	789			RS1/10S272J
R	790			RS1/10S822J
R	791			RS1/10S822J

CAPACITORS

Circuit Symbol and No.			Part Name	Part No.
C	201			CKSQYB222K50
C	202			CKSQYB103K50
C	203			CCSQCH471J50
C	204			CKSQYB222K50
C	205			CKSQYB222K50
C	209			CKSQYB222K50
C	210			CEJA100M16
C	211			CKSQYB103K50
C	212			CKSQYB472K50
C	213			CKSQYB392K50
C	214			CKSQYB103K50
C	215			CKSQYB103K50
C	216			CEJA100M16
C	217			CKSQYB473K50
C	218			CEJA2R2M50
C	219			CKSQYB102K50
C	220			CKSQYB103K50
C	221			CKSQYB473K50
C	223			CKSQYB103K50
C	224	4.7µF/10V		CCH1280

=====Circuit Symbol and No.		===Part Name	Part No.
C	225		CKSQYB154K16
C	226		CKSQYB103K50
C	227		CSZSR220M10
C	228		CKSQYB103K50
C	229		CKSQYB103K50
C	230		CSZSR220M10
C	231		CEJA101M10
C	232		CKSQYB473K50
C	233		CKSQYB223K50
C	234		CKSQYB223K50
C	235		CCSQCH101J50
C	236		CKSQYB103K50
C	237		CKSQYB103K50
C	239		CKSYB473K50
C	241		CCSQCH150J50
C	242		CCSQCH150J50
C	243		CKSQYB103K50
C	244	4.7µF/10V	CCH1280
C	245		CKSQYB103K50
C	247		CKSQYB473K50
C	248		CKSQYB473K50
C	249		CKSQYB473K50
C	250		CKSQYB473K50
C	263		CKSQYB223K25
C	264		CKSQYB681K50
C	265		CKSQYB473K50
C	266		CKSQYB473K50
C	267		CEAL4R7M35
C	268		CKSQYB104K50
C	270		CCSQCH220J50
C	271		CCSQCH220J50
C	272		CKSQYB223K50
C	273		CKSQYB104K50
C	275		CKSQYB104K50
C	276		CKSQYB105K16
C	277		CKSQYB104K50
C	278		CKSQYB472K50
C	279		CKSQYB103K50
C	280		CKSQYB103K50
C	283		CKSQYB473K50
C	284		CKSQYB473K50
C	290		CKSQYB473K50
C	294		CKSQYB222K50
C	301	2200µF/16V	CCH1186
C	302		CKSQYB473K50
C	303		CEAL1R0M50
C	304		CEAL1R0M50
C	305		CKSQYB102K50
C	306		CKSQYB102K50
C	323		CKSQYB473K50
C	324		CEAL1R0M50
C	325		CKSQYB103K50
C	326		CEJA330M10
C	331		CKSQYB103K50
C	332		CEJA101M16
C	333		CKSQYB103K50
C	334		CKSQYB473K50
C	335		CKSQYB473K50
C	351		CKSQYB103K50
C	354		CKSQYB102K50
C	356	1000µF/16V	CCH1149
C	603		CKSQYB103K50
C	604		CKSQYB103K50
C	605		CKSQYB102K50
C	606		CKSQYB473K50

=====Circuit Symbol and No.		===Part Name	Part No.
C	607		CKSQYB473K50
C	610		CKSQYB103K50
C	612		CEAL4R7M35
C	614		CKSQYB105K16
C	666		CKSQYB473K50
C	668		CEJA101M6R3
C	669		CKSQYB473K50
C	681		CKSQYB103K50
C	682		CCSQCH221J50
C	683		CCSQCH221J50
C	684		CKSQYB102K50
C	701		CKSQYB105K16
C	703	2.2µF/50V	CCH1375
C	704	2.2µF/50V	CCH1375
C	705		CKSQYB223K50
C	706		CKSQYB223K50
C	707		CKSQYB223K50
C	709		CKSQYB153K50
C	710		CKSQYB153K50
C	711	2.2µF/50V	CCH1375
C	712	2.2µF/50V	CCH1375
C	713	4.7µF/35V	CCH1016
C	714	4.7µF/35V	CCH1016
C	715		CCSQCH120J50
C	716		CCSQCH120J50
C	717	4.7µF/35V	CCH1016
C	718	4.7µF/35V	CCH1016
C	719	4.7µF/35V	CCH1016
C	720	4.7µF/35V	CCH1016
C	721		CCSQCH151J50
C	722		CCSQCH151J50
C	723		CCSQCH331J50
C	724		CCSQCH331J50
C	725		CKSQYB682K50
C	726		CKSQYB682K50
C	727		CKSQYB682K50
C	728		CKSQYB682K50
C	771		CEJA101M6R3
C	772		CKSQYB103K50
C	773		CEJA101M10
C	774		CKSQYB103K50
C	775		CKSQYB103K50
C	776		CKSQYB103K50
C	777		CEJA101M16
C	778		CKSQYB103K50
C	781		CKSQYB104K50
C	782		CEALNP4R7M16
C	783		CEALNP4R7M16
C	784		CEALNP4R7M16
C	785		CEALNP4R7M16
C	786		CCSQCH101J50
C	787		CCSQCH101J50
C	788		CCSQCH101J50
C	789		CCSQCH101J50
C	790	4.7µF/50V	CCH1320
C	791	4.7µF/50V	CCH1320

A Unit Number : CWM7098(KEX-M8106ZT)
Unit Name : Main Unit

MISCELLANEOUS

IC	201	IC	PM2007A
IC	204	IC	PM4006B
IC	205	IC	NJM2903M
IC	601	IC	PD5580B
IC	602	IC	S-80736AN-D0

Circuit Symbol and No.		Part Name	Part No.
IC	681	IC	HA12187FP
IC	701	IC	NJM2068MD
IC	702	IC	NJM2068MD
IC	703	IC	NJM2068MD
IC	781	IC	TC74HC4066AF
Q	201	Chip Transistor	2SC2712
Q	204	Chip Transistor	2SC2712
Q	205	Chip Transistor	2SC2712
Q	206	Chip Transistor	2SC2712
Q	301	Chip Transistor	2SC2712
Q	302	Transistor	DTC144TK
Q	303	Transistor	DTC144TK
Q	323	Transistor	2SD2318F5
Q	331	Transistor	2SB1185
Q	332	Transistor	IMX1
Q	335	Transistor	DTB123EK
Q	336	Transistor	DTB123EK
Q	337	Transistor	IMX1
Q	351	Transistor	2SA1255
Q	354	Transistor	DTC144EK
Q	357	Transistor	DTC114EK
Q	358	Transistor	DTA114EK
Q	359	Transistor	DTC114EK
Q	360	Transistor	DTA114EK
Q	368	Chip Transistor	2SC2712
Q	521	Transistor	2SB1185
Q	601	Transistor	DTA144EK
Q	602	Transistor	2SA1162
Q	603	Transistor	DTA114EK
Q	604	Transistor	2SA1162
Q	605	Transistor	DTC144EK
Q	607	Chip Transistor	2SC2712
Q	608	Transistor	DTA114EK
Q	701	Transistor	IMH4
Q	702	Transistor	IMX1
Q	703	Transistor	IMH4
Q	704	Transistor	IMH4
Q	705	Transistor	IMH4
Q	706	Transistor	IMH4
Q	707	Transistor	IMH4
Q	708	Transistor	2SC2412K
Q	709	Transistor	IMH4
Q	710	Transistor	IMH4
D	201	Diode	1SS355
D	205	Diode	MA152WK
D	301	Diode	ERC05-10B
D	302	Diode	HZU8R2(B1)
D	303	Diode	HZU8R2(B1)
D	304	Diode	HZU8R2(B1)
D	306	Diode	1SS355
D	307	Diode	1SS355
D	321	Diode	ERA15-02VH
D	322	Diode	UDZS5R6(B)
D	331	Diode	1SS355
D	332	Diode	HZU8R2(B1)
D	333	Diode	1SS355
D	334	Diode	MA152WK
D	351	Diode	UDZ20(B)
D	354	Diode	UDZ20(B)
D	355	Diode	HZU8R2(B3)
D	601	Diode	1SS355
D	602	Diode	1SS355
D	651	Diode	1SS355
D	681	Diode	UDZ18(B)
D	682	Diode	UDZ18(B)

Circuit Symbol and No.		Part Name	Part No.
D	771	Diode	HZU4R3(B2)
D	781	Diode	UDZS10(B)
D	782	Diode	UDZS10(B)
D	783	Diode	UDZS10(B)
D	784	Diode	UDZS10(B)
L	201	Inductor	LCTB4R7K3216
L	202	Inductor	LCTA4R7J3225
L	203	Inductor	LCTA4R7J2520
L	204	Inductor	LCTA4R7J3225
L	208	Inductor	LCTA4R7J3225
L	211	Inductor	LCTA2R2J2520
L	212	Inductor	LCTA101J3225
L	213	Inductor	CTF1305
L	251	Inductor	LCTA101J2520
L	252	Inductor	LCTB2R2K2125
L	253	Inductor	LCTB2R2K2125
L	301	Coil 350µH	CTH1092
L	601	Inductor	LCTB100K3216
L	602	Inductor	LCTB100K3216
L	603	Inductor	LCTB100K3216
L	605	Inductor	CTF1305
L	606	Inductor	CTF1305
CG	201	Surge Protector	DSP-201M-A21F
X	201	Crystal Resonator 7.200MHz	CSS1379
X	202	Crystal Resonator 4.332MHz	CSS1056
X	601	Radiator 10.00MHz	CSS1428
VR	202	2.2kΩ(B)	CCP1392
FU	301	Fuse 5A	CEK1195
		FM/AM Tuner Unit	CWE1591

RESISTORS

R	201		RS1/10S103J
R	202		RS1/8S0R0J
R	204		RS1/10S102J
R	205		RS1/10S471J
R	206		RS1/10S105J
R	207		RS1/10S472J
R	224		RS1/10S103J
R	233		RS1/10S153J
R	234		RS1/10S103J
R	235		RS1/10S561J
R	236		RS1/10S472J
R	237		RS1/10S682J
R	238		RS1/10S102J
R	239		RS1/10S222J
R	240		RS1/10S682J
R	241		RS1/10S472J
R	242		RS1/10S331J
R	243		RS1/10S102J
R	244		RS1/10S102J
R	245		RS1/10S473J
R	246		RS1/10S562J
R	247		RS1/10S222J
R	248		RS1/10S562J
R	249		RS1/10S222J
R	250		RS1/10S222J
R	251		RS1/10S102J
R	252		RS1/10S473J
R	253		RS1/10S472J
R	254		RS1/10S473J
R	255	2.2kΩ	CCN1121
R	256		RS1/10S0R0J
R	258		RS1/10S393J
R	259		RS1/10S272J
R	260		RS1/10S392J
R	261		RS1/10S222J
R	262		RS1/10S392J

Circuit Symbol and No.	Part Name	Part No.
R 263		RS1/10S152J
R 264		RS1/10S332J
R 272		RS1/10S333J
R 273		RS1/10S272J
R 274		RS1/10S102J
R 275		RS1/10S102J
R 276		RS1/10S102J
R 277		RS1/10S102J
R 278		RS1/10S102J
R 279		RS1/10S102J
R 280		RS1/10S102J
R 281		RS1/10S104J
R 282		RS1/10S562J
R 283		RS1/10S104J
R 284		RS1/10S333J
R 286		RS1/10S681J
R 287		RS1/10S222J
R 288		RS1/10S102J
R 289		RS1/10S562J
R 290		RS1/10S684J
R 291		RS1/10S222J
R 292		RS1/10S222J
R 294		RS1/10S0R0J
R 299		RS1/10S223J
R 301		RS1/10S104J
R 302		RS1/10S104J
R 303		RS1/10S104J
R 304		RS1/8S222J
R 305		RS1/8S222J
R 306		RS1/8S472J
R 307		RS1/8S472J
R 308		RS1/10S473J
R 322		RS1/10S223J
R 325		RS1/10S101J
R 331		RS1/10S223J
R 332		RS1/10S102J
R 333		RS1/10S331J
R 334		RS1/10S103J
R 335		RS1/10S471J
R 336		RS1/10S102J
R 343		RS1/10S472J
R 351		RS1/4S101J
R 352		RS1/4S101J
R 357		RS1/10S473J
R 358		RS1/10S103J
R 359		RS1/10S103J
R 366		RS1/8S221J
R 370		RS1/10S104J
R 371		RS1/10S473J
R 601		RS1/10S104J
R 604		RS1/10S102J
R 605		RS1/10S473J
R 609		RS1/10S102J
R 610		RS1/10S681J
R 611		RS1/10S102J
R 612		RS1/10S102J
R 613		RS1/10S473J
R 614		RS1/10S473J
R 615		RS1/10S103J
R 616		RS1/10S103J
R 617		RS1/10S472J
R 618		RA3C103J
R 619		RS1/10S102J
R 621	1kΩ	CCN1120
R 622		RS1/10S473J
R 623		RS1/10S473J
R 624		RS1/10S473J
R 625		RS1/10S104J
R 626		RS1/10S223J
R 627	1kΩ	CCN1120
R 628	47kΩ	CCN1131
R 629		RS1/10S102J
R 630		RA3C102J
R 631		RS1/10S681J
R 632		RS1/10S102J
R 633		RS1/10S102J
R 634		RS1/10S473J
R 635		RS1/10S103J
R 636		RS1/10S472J
R 637		RS1/10S473J
R 638		RS1/10S222J
R 641		RS1/10S473J
R 644		RS1/10S102J
R 645		RS1/10S103J
R 652		RS1/10S102J
R 653		RS1/10S102J
R 654	1kΩ	CCN1120
R 655		RS1/10S102J
R 657		RS1/10S102J
R 658		RS1/10S102J
R 659	47kΩ	CCN1131
R 661		RS1/10S473J
R 662		RS1/10S473J
R 663		RS1/10S473J
R 664		RS1/10S473J
R 665		RS1/10S473J
R 681		RS1/4S101J
R 682		RS1/4S101J
R 683		RS1PMF680J
R 693		RS1/10S473J
R 697		RS1/10S473J
R 698		RS1/10S0R0J
R 701		RS1/10S392J
R 702		RS1/10S392J
R 703		RS1/10S224J
R 704		RS1/10S224J
R 705		RS1/10S224J
R 706		RS1/10S222J
R 707		RS1/10S222J
R 708		RS1/10S682J
R 709		RS1/10S122J
R 710		RS1/10S122J
R 711		RS1/10S332J
R 712		RS1/10S332J
R 713		RS1/10S102J
R 715		RS1/10S272J
R 716		RS1/10S272J
R 717		RS1/10S222J
R 718		RS1/10S222J
R 719		RS1/10S103J
R 720		RS1/10S103J
R 721		RS1/10S563J
R 722		RS1/10S563J
R 723		RS1/10S823J
R 724		RS1/10S823J
R 725		RS1/10S102J
R 726		RS1/10S102J
R 727		RS1/10S473J
R 728		RS1/10S473J

=====Circuit Symbol and No.		===Part Name	Part No.
R	729		RS1/10S222J
R	730		RS1/10S222J
R	731		RS1/10S222J
R	732		RS1/10S222J
R	733		RS1/10S272J
R	735		RS1/10S222J
R	736		RS1/10S222J
R	737		RS1/10S222J
R	738		RS1/10S222J
R	739		RS1/10S470J
R	740		RS1/10S470J
R	741		RS1/10S470J
R	742		RS1/10S470J
R	743		RS1/10S102J
R	744		RS1/10S102J
R	745		RS1/10S393J
R	746		RS1/10S393J
R	747		RS1/10S473J
R	748		RS1/10S473J
R	751		RS1/10S0R0J
R	753		RS1/10S0R0J
R	771		RS1/10S102J
R	781		RS1/10S223J
R	784		RS1/10S470J
R	785		RS1/10S470J
R	786		RS1/10S470J
R	787		RS1/10S470J
R	788		RS1/10S152J
R	789		RS1/10S152J
R	790		RS1/10S822J
R	791		RS1/10S822J

CAPACITORS

C	202		CKSQYB103K50
C	203		CCSQCH471J50
C	221		CKSQYB473K50
C	223		CKSQYB103K50
C	224	4.7µF/10V	CCH1280
C	225		CKSQYB154K16
C	226		CKSQYB103K50
C	227		CSZSR220M10
C	228		CKSQYB103K50
C	229		CKSQYB103K50
C	230		CSZSR220M10
C	231		CEJA101M10
C	232		CKSQYB473K50
C	233		CKSQYB223K50
C	234		CKSQYB223K50
C	235		CCSQCH101J50
C	236		CKSQYB103K50
C	237		CKSQYB103K50
C	239		CKSYB473K50
C	241		CCSQCH150J50
C	242		CCSQCH150J50
C	243		CKSQYB103K50
C	244	4.7µF/10V	CCH1280
C	245		CKSQYB103K50
C	246		CEJAR47M50
C	247		CKSQYB473K50
C	248		CKSQYB473K50
C	249		CKSQYB473K50
C	250		CKSQYB473K50
C	263		CKSQYB223K50
C	264		CKSQYB391K50
C	265		CKSQYB473K50
C	266		CKSQYB473K50
C	267		CEAL4R7M35
C	268		CKSQYB104K50

=====Circuit Symbol and No.		===Part Name	Part No.
C	270		CCSQCH220J50
C	271		CCSQCH220J50
C	272		CKSQYB223K50
C	273		CKSQYB104K50
C	275		CKSQYB104K50
C	276		CKSQYB105K16
C	277		CKSQYB104K50
C	278		CKSQYB472K50
C	279		CKSQYB103K50
C	280		CKSQYB103K50
C	283		CKSQYB473K50
C	284		CKSQYB473K50
C	290		CKSQYB473K50
C	294		CKSQYB222K50
C	301	2200µF/16V	CCH1186
C	302		CKSQYB473K50
C	303		CEAL1R0M50
C	304		CEAL1R0M50
C	305		CKSQYB102K50
C	306		CKSQYB102K50
C	323		CKSQYB473K50
C	324		CEAL1R0M50
C	325		CKSQYB103K50
C	326		CEJA330M10
C	331		CKSQYB103K50
C	332		CEJA101M16
C	333		CKSQYB103K50
C	334		CKSQYB473K50
C	335		CKSQYB473K50
C	351		CKSQYB103K50
C	354		CKSQYB102K50
C	356	1000µF/16V	CCH1149
C	603		CKSQYB103K50
C	604		CKSQYB103K50
C	605		CKSQYB102K50
C	606		CKSQYB473K50
C	607		CKSQYB473K50
C	608		CKSQYB102K50
C	610		CKSQYB103K50
C	612		CEAL4R7M35
C	614		CKSQYB105K16
C	666		CKSQYB473K50
C	667		CKSQYB473K50
C	668		CEJA101M6R3
C	669		CKSQYB473K50
C	681		CKSQYB103K50
C	682		CCSQCH221J50
C	683		CCSQCH221J50
C	684		CKSQYB102K50
C	701		CKSQYB823K25
C	703	2.2µF/50V	CCH1375
C	704	2.2µF/50V	CCH1375
C	705		CKSQYB123K50
C	706		CKSQYB123K50
C	707		CKSQYB223K50
C	709		CKSQYB104K50
C	710		CKSQYB104K50
C	711	2.2µF/50V	CCH1375
C	712	2.2µF/50V	CCH1375
C	713	4.7µF/35V	CCH1016
C	714	4.7µF/35V	CCH1016
C	715		CCSQCH120J50
C	716		CCSQCH120J50
C	717	4.7µF/35V	CCH1016
C	718	4.7µF/35V	CCH1016
C	719	4.7µF/35V	CCH1016
C	720	4.7µF/35V	CCH1016
C	721		CCSQCH151J50
C	722		CCSQCH151J50
C	723		CCSQCH331J50

Circuit Symbol and No.		Part Name	Part No.
C	724		CCSQCH331J50
C	725		CKSQYB682K50
C	726		CKSQYB682K50
C	727		CKSQYB682K50
C	728		CKSQYB682K50
C	771		CEJA101M6R3
C	772		CKSQYB103K50
C	773		CEJA101M10
C	774		CKSQYB103K50
C	775		CKSQYB103K50
C	776		CKSQYB103K50
C	777		CEJA101M16
C	778		CKSQYB103K50
C	781		CKSQYB104K50
C	782		CEALNP4R7M16
C	783		CEALNP4R7M16
C	784		CEALNP4R7M16
C	785		CEALNP4R7M16
C	786		CCSQCH101J50
C	787		CCSQCH101J50
C	788		CCSQCH101J50
C	789		CCSQCH101J50
C	790	4.7µF/50V	CCH1320
C	791	4.7µF/50V	CCH1320

C Unit Number : EWM1027
Unit Name : Deck Unit

MISCELLANEOUS

IC	251	IC	HA12216F
IC	351	IC	PA2020A
Q	271	Transistor	2SC4116
Q	351	Transistor	2SB1260
Q	352	Transistor	2SC4102
D	351	Diode	1SS355
VR	301	Semi-fixed 33kΩ(B)	CCP1280
VR	302	Semi-fixed 33kΩ(B)	CCP1280

RESISTORS

R	255		RS1/16S181J
R	256		RS1/16S181J
R	257		RS1/16S183J
R	258		RS1/16S183J
R	259		RS1/16S133J
R	260		RS1/16S133J
R	261		RS1/16S274J
R	262		RS1/16S274J
R	271		RS1/16S183J
R	272		RS1/8S0R0J
R	273		RS1/8S0R0J
R	274		RS1/8S0R0J
R	275		RS1/16S473J
R	276		RS1/16S104J
R	277		RS1/16S224J
R	278		RS1/16S104J
R	281		RS1/8S0R0J
R	282		RS1/8S0R0J
R	283		RS1/8S0R0J
R	284		RS1/8S0R0J
R	285		RS1/16S0R0J
R	288		RS1/16S0R0J
R	289		RS1/16S0R0J
R	291		RS1/8S0R0J
R	292		RS1/10S0R0J
R	293		RS1/10S0R0J
R	294		RS1/10S0R0J
R	321		RS1/8S0R0J
R	351		RS1/16S102J
R	352		RS1/16S102J

Circuit Symbol and No.		Part Name	Part No.
R	353		RS1/16S102J
R	354		RS1/16S102J
R	355		RS1/10S274J
R	356		RS1/10S202J
R	357		RS1/10S472J
R	358		RS1/10S103J
R	359		RS1/10S103J
R	360		RS1/10S102J
R	361		RS1/10S622J
R	362		RS1/8S181J
R	373		RS1/8S0R0J
R	374		RS1/8S0R0J
R	375		RS1/8S0R0J
R	401		RS1/16S123J
R	402		RS1/16S332J
R	403		RS1/16S911J
R	404		RS1/16S274J

CAPACITORS

C	251		CKSRYB391K50
C	252		CKSRYB391K50
C	253		CKSRYB391K50
C	254		CKSRYB391K50
C	255		CKSRYB103K50
C	256		CKSRYB103K50
C	271		CEJA1R0M50
C	272		CKSQYB104K16
C	301		CKSQYB104K16
C	302		CKSQYB104K16
C	309		CKSQYB104K16
C	310		CKSQYB104K16
C	351		CKSYB224K25
C	352		CKSQYB392K50
C	353		CKSQYB103K50
C	354		CKSQYB103K50
C	355		CKSYB104K50
C	356		CKSQYB103K50
C	401		CKSRYB472K50
C	402		CKSYB334K25
C	403		CKSRYB223K25
C	404		CKSRYB103K50
C	405		CKSRYB333K16

D Unit Number :
Unit Name : PCB Unit

L	1	Inductor	ETH0002
S	1	Switch (LOAD)	ESG1004
S	2	Switch (70µs)	ESG1004
EGN	1	Photo-Interrupter	EGN1005

E Unit Number :
Unit Name : Reel PCB

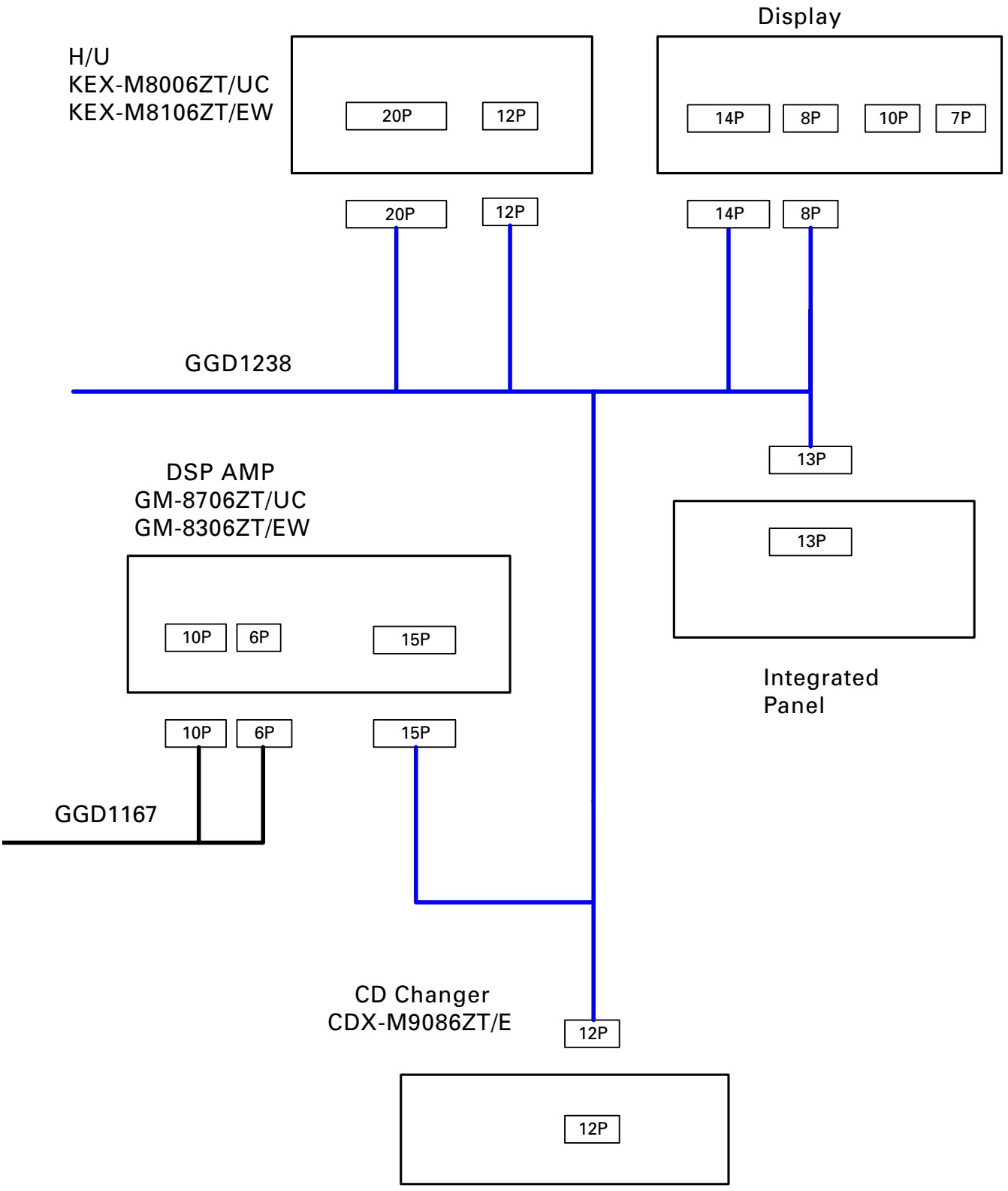
EGN	2	Photo-Interrupter	EGN1006
EGN	3	Photo-Interrupter	EGN1006

Miscellaneous Parts List

C	1		CEAL4R7M35
M	1	Motor Unit (Main)	EXA1499
M	2	Motor Unit (Sub)	EXA1382
HD	1	Head Assy	EXA1594

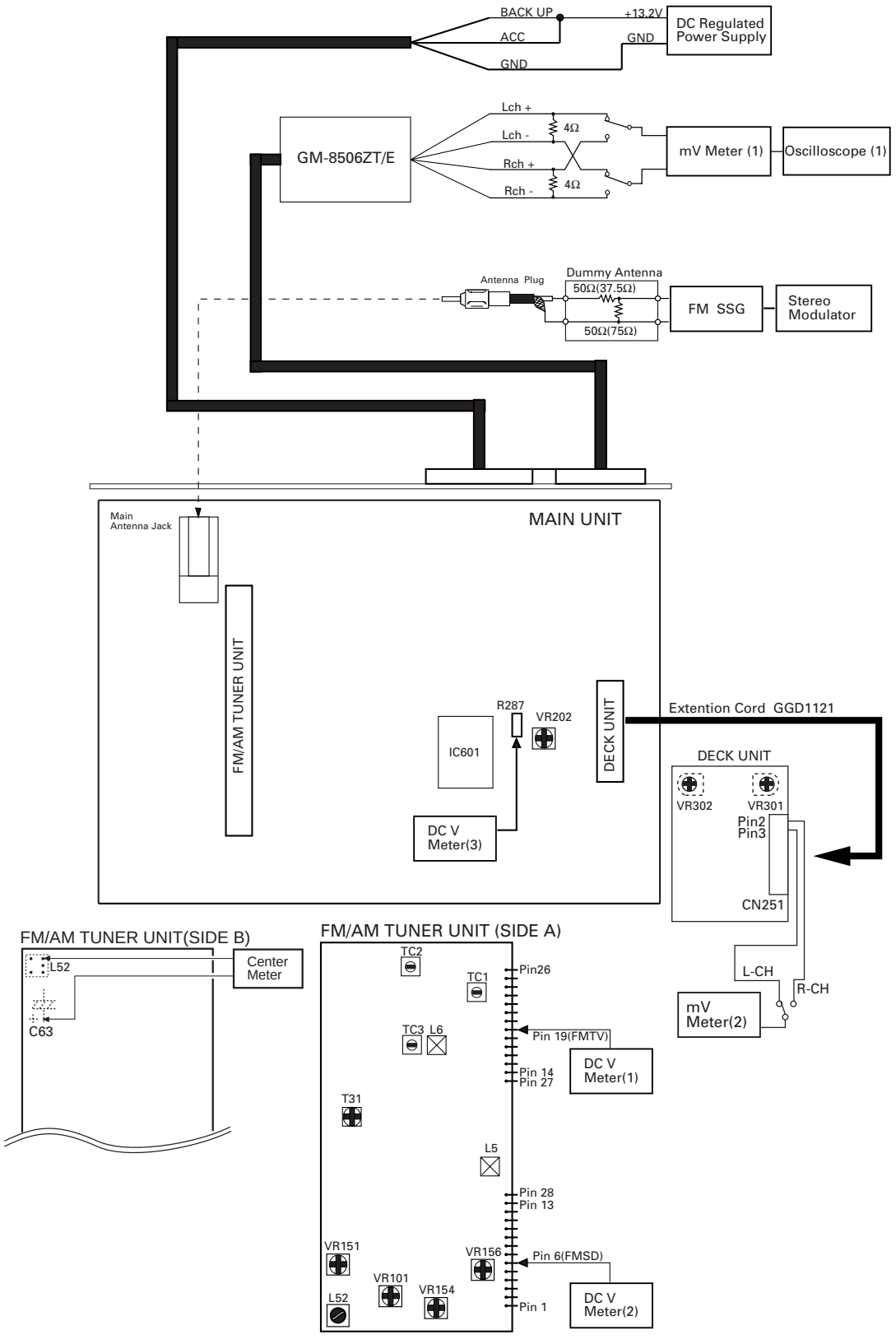
6. ADJUSTMENT

● **Connection Diagram**



6.1 TUNER/AUDIO ADJUSTMENT(KEX-M8006ZT)

● **Connection Diagram**



FM ADJUSTMENT

Modulation M:MONO MOD., 400Hz 30%(22.5kHz Dev.) or 400Hz 100%(75kHz Dev.)
S1:STEREO MOD., 1kHz, L or R=30%(20.25kHz+7.5kHz Dev.)
S2:STEREO MOD., 1kHz, L or R=60%(40.5kHz+7.5kHz Dev.)

NOTE:Before proceeding to further adjustments after switching power ON, let the tuner run for ten minutes to allow the circuits to stabilize.

	No.	FM SSG		Displayed	Adjustment	Adjustment Method
		Frequency(MHz)	Level(dBf)	Frequency(MHz)	Point	(Switch Position)
TUN Volt	1	•••••	•••••	107.9	L5	DC V Meter(1) : 6V
Center Meter	1	98.1 M	65-85	98.1	L52	Center Meter : 0
IFT	1	98.1 M	5-15	98.1	T31	mV Meter(1) : Maximum
ANT Trimmer	1	98.1 M	5-15	98.1	TC1,TC2	mV Meter(1) : Maximum
RF Coil	1	89.9 M	5-15	89.9	L6	mV Meter(1) : Maximum
RF Trimmer	1	106.1 M	5-15	106.1	TC3	mV Meter(1) : Maximum
Separation	1	98.1 S1	65	98.1	VR101	mV Meter(1) : Maximum
ARC Separation	1	98.1 S1	38	98.1	VR154	mV Meter(1) : Separation 5dB
Interstation	1	98.1 M	65	98.1	---	mV Meter(1) : AdB
Noise	2	98.1 M	-∞	98.1	VR151	mV Meter(1) : A-20dB
Search	1	98.1 M	33	98.1	VR156	DC V Meter(2) : more than 3.5V
Sensitivity	2	98.1 M	32	98.1	VR156	DC V Meter(2) : 0
	3	Repeat steps 1 and 2 until the adjustment standards are satisfied.				

DOLBY B NR ADJUSTMENT

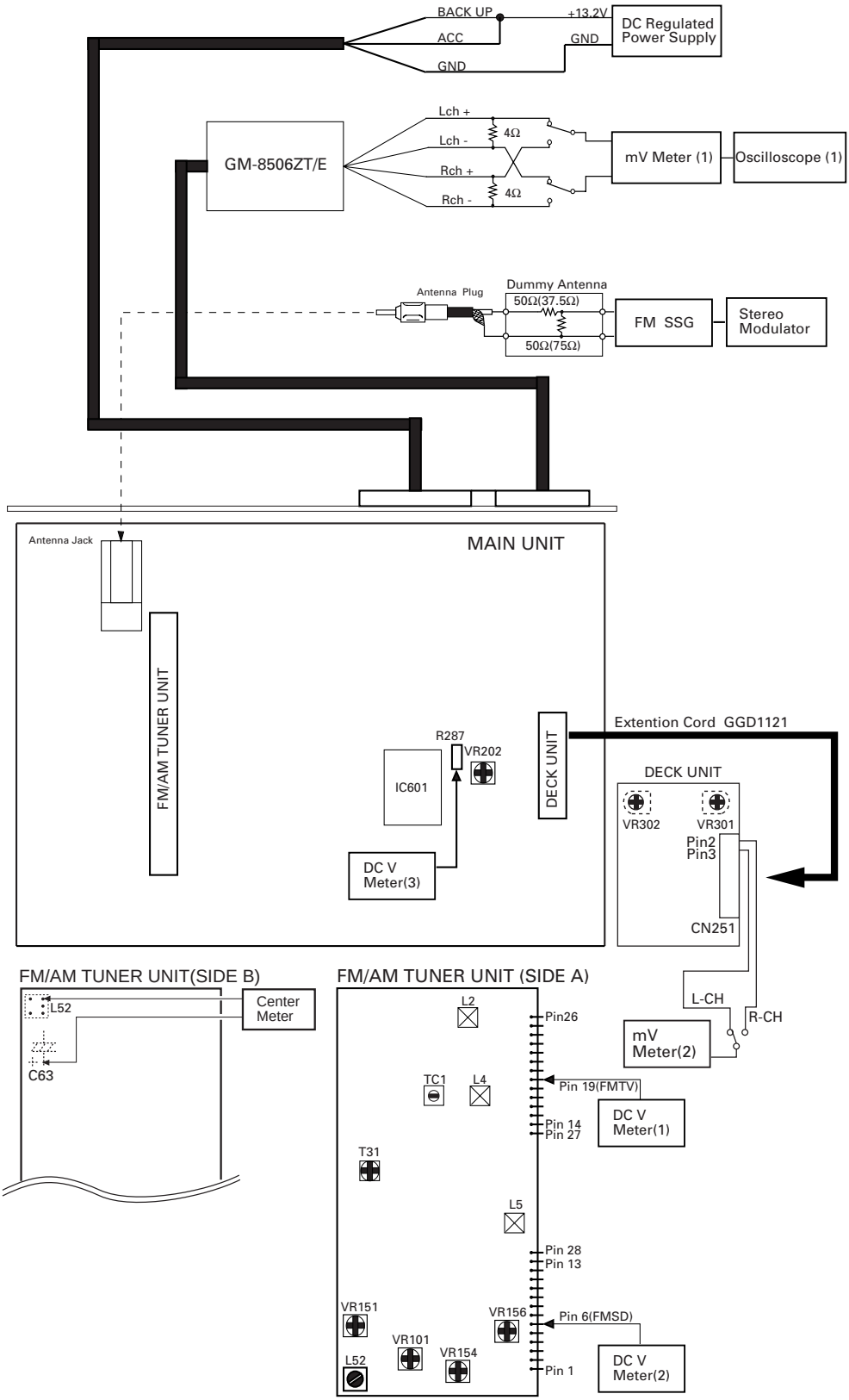
No.	Test Tape	Adjustment Point	Adjustment Method (Switch Position)
1	NCT-150 (400Hz,200nwb/m)	VR301(Lch),VR302(Rch)	mV Meter(2) : -8.24dBm(300mV)±1dB (DOLBY NR Switch : OFF)

RBDS SL ADJUSTMENT

	No.	FM SSG		Displayed	Adjustment	Adjustment Method
		Frequency(MHz)	Level(dBf)	Frequency(MHz)	Point	(Switch Position)
	1	104.0 S2	35	104.0	VR202	DC V Meter(3) : 1.75V±0.05V

6.2 TUNER/AUDIO ADJUSTMENT(KEX-M8106ZT)

● **Connection Diagram**



FM ADJUSTMENT

Modulation M:MONO MOD., 400Hz 30%(22.5kHz Dev.) or 400Hz 100%(75kHz Dev.)
S1:STEREO MOD., 1kHz, L or R=30%(20.25kHz+7.5kHz Dev.)
S2:STEREO MOD., 1kHz, L or R=60%(40.5kHz+7.5kHz Dev.)

NOTE:Before proceeding to further adjustments after switching power ON, let the tuner run for ten minutes to allow the circuits to stabilize.

	No.	FM SSG		Displayed	Adjustment	Adjustment Method
		Frequency(MHz)	Level(dBf)	Frequency(MHz)	Point	(Switch Position)
TUN Volt	1	•••••	•••••	108.0	L5	DC V Meter(1) : 6.0V
Center Meter	1	98.1 M	65-85	98.1	L52	Center Meter : 0
IFT	1	98.1 M	5-15	98.1	T31	mV Meter(1) : Maximum
ANT Coil	1	89.9 M	5-15	89.9	L2	mV Meter(1) : Maximum
RF Coil	1	89.9 M	5-15	89.9	L4	mV Meter(1) : Maximum
RF Trimmer	1	129.3 M	60-80	107.9	TC1	mV Meter(1) : Minimum
Separation	1	98.1 S1	65	98.1	VR101	mV Meter(1) : Maximum
ARC Separation	1	98.1 S1	40	98.1	VR154	mV Meter(1) : Separation 5dB
Interstation	1	98.1 M	65	98.1	•••••	mV Meter(1) : AdB
Noise	2	98.1 M	-∞	98.1	VR151	mV Meter(1) : A-20dB
Search	1	98.1 M	27	98.1	VR156	DC V Meter(2) : more than 3.5V
Sensitivity	2	98.1 M	26	98.1	VR156	DC V Meter(2) : 0V
	3	Repeat steps 1 and 2 until the adjustment standards are satisfied.				

DOLBY B NR ADJUSTMENT

No.	Test Tape	Adjustment Point	Adjustment Method (Switch Position)
1	NCT-150 (400Hz,200nwb/m)	VR301(Lch),VR302(Rch)	mV Meter(2) : -8.24dBm(300mV)±1dB (DOLBY NR Switch : OFF)

RDS SL ADJUSTMENT

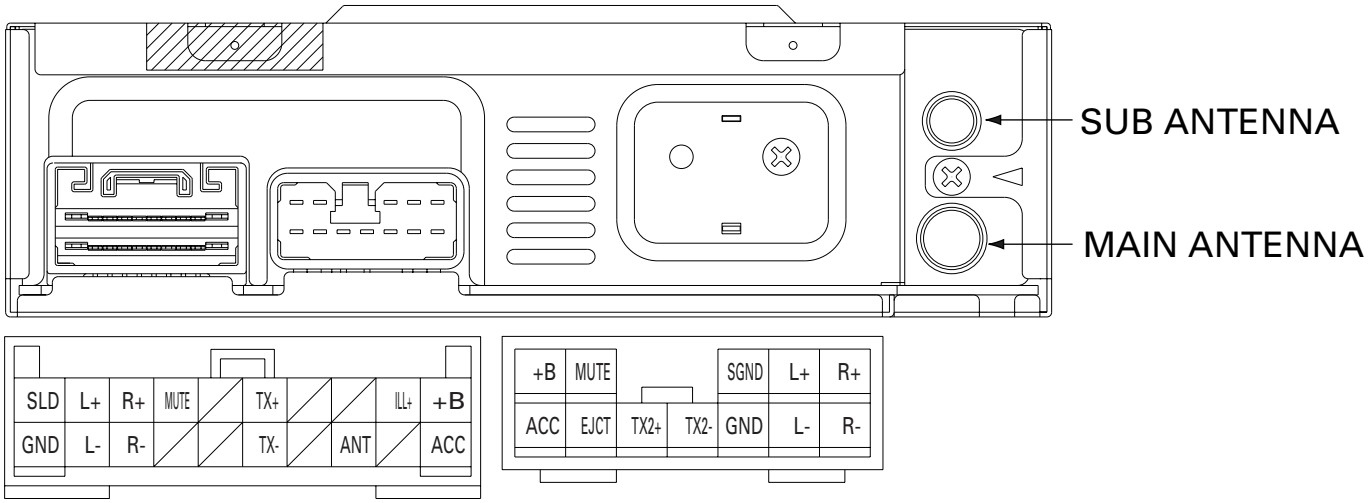
	No.	FM SSG		Displayed	Adjustment	Adjustment Method
		Frequency(MHz)	Level(dBf)	Frequency(MHz)	Point	(Switch Position)
	1	104.0 S2	35	104.0	VR202	DC V Meter(3) : 1.75V±0.05V

7. GENERAL INFORMATION

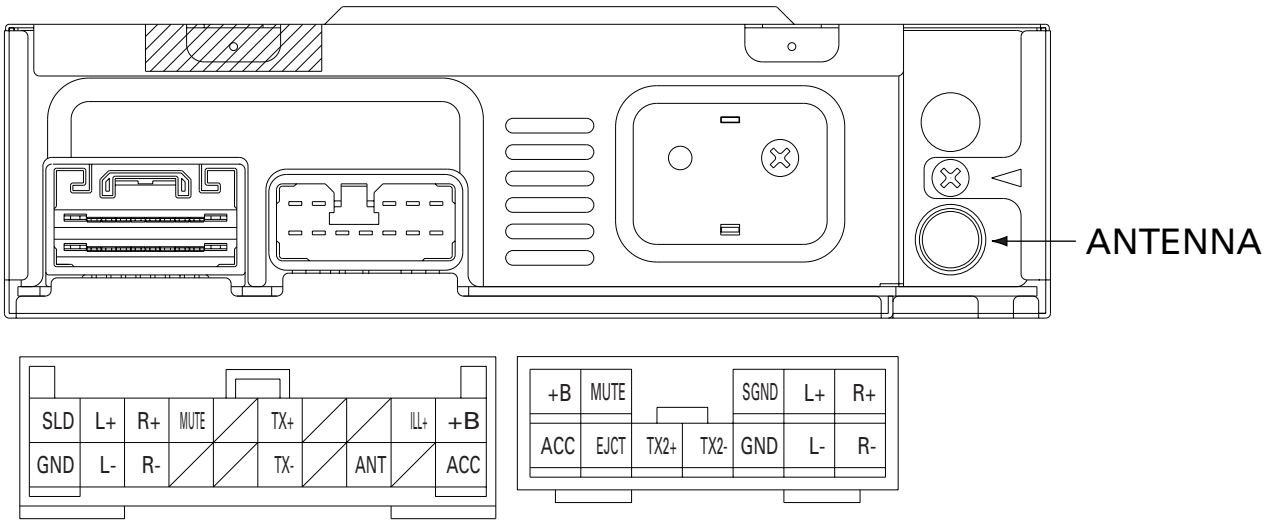
7.1 DIAGNOSIS

7.1.1 CONNECTOR FUNCTION DESCRIPTION

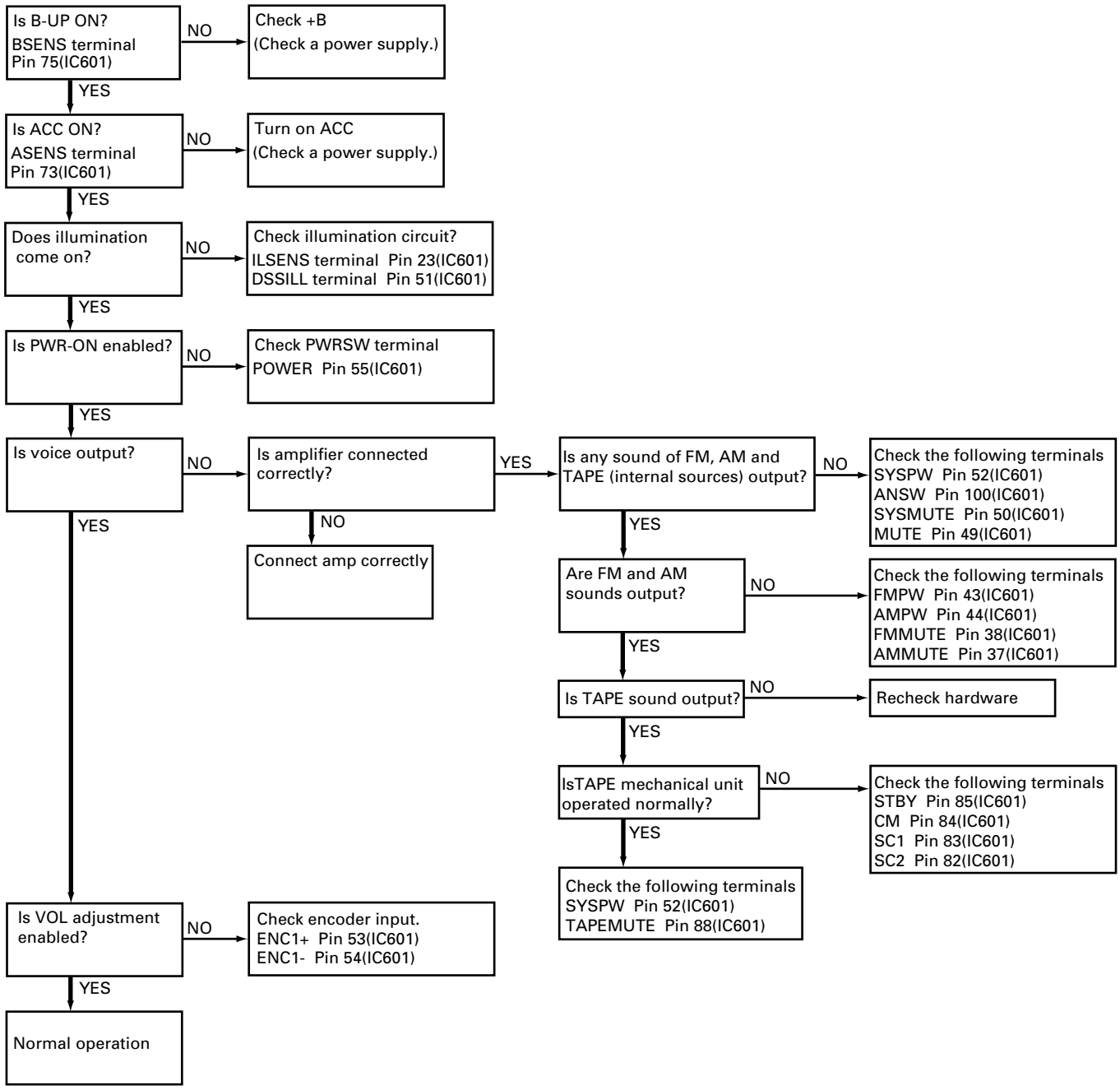
● **KEX-M8006ZT**



● **KEX-M8106ZT**



7.1.2 TROUBLESHOOTING



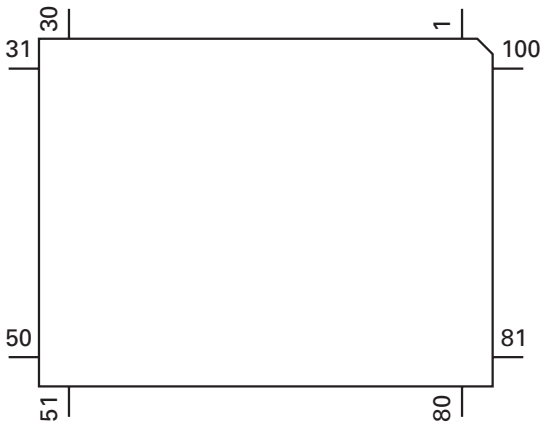
7.2 IC

● **Pin Functions (PD5579A,PD5580B)**

Pin No.	Pin Name	I/O	Function and Operation
1	MUTESENS		Not used
2	$\overline{\text{LINH}}$	O	Inhibit output for LCD driver
3	LCE	O	Chip enable output pin for LCD driver
4	ILL		Not used
5	LDO	O	LCD driver data output
6	NC		Not used
7	LCK	O	Clock output for LCD driver
8	BYTE		Connect to GND
9	CNVSS		Connect to GND
10	XCIN		Not used
11	XCOUT		Not used
12	$\overline{\text{RESET}}$	I	Reset input
13	XOUT	O	X'tal terminal
14	VSS		GND
15	XIN	I	X'tal terminal
16	VDD		Power supply
17	$\overline{\text{NMI}}$		Connect to VDD
18	$\overline{\text{RCK}}$	I	RDS clock input
19	$\overline{\text{LDET}}$	I	PLL lock sense input
20	NC		Not used
21	RX2	I	BUS data input
22	IPPW	O	BUS driver power supply output
23	$\overline{\text{ILSENS}}$	I	Illumination sense input
24	$\overline{\text{DRST}}$	O	Reset output
25	57K	I	57kHzBP-OUT sense input
26	$\overline{\text{CURRQ}}$	O	Current request
27	$\overline{\text{SK}}$	I	SK signal input
28	$\overline{\text{RDSLK}}$	I	RDS LK signal input
29	RX1	I	BUS data input
30	TX	O	BUS data output
31	PDO	O	Data output for PLL IC
32	PDI	I	Data input from PLL IC
33	PCK	O	PLL clock output
34	PCE	O	Chip enable output for PLL IC
35	ECE		Not used
36	RDSMUTE	O	RDS mute
37	AMMUTE	O	AM mute output
38	FMMUTE	O	FM mute output
39	$\overline{\text{BLPW}}$	O	Back Light ON/OFF
40	MODSENS	I	Modulation sense
41	EPM		Not used
42	RDT	I	RDS demodulation data input
43	FMPW	O	FM power output
44	AMPW	O	AM power output
45	$\overline{\text{SWVDD}}$	O	Grille power supply control output
46	CE		Not used
47	ANTB	O	Antenna control B
48	ANTA	O	Antenna control A
49	MUTE	O	BUS mute output
50	$\overline{\text{SYSMUT}}$	O	System mute
51	$\overline{\text{DSSILL}}$	O	DSS illumination output
52	$\overline{\text{SYSPW}}$	O	System power control output
53	ENC1+	I	VOL encoder (+) input
54	ENC1-	I	VOL encoder (-) input
55	$\overline{\text{POWER}}$	I	POWER key input
56-61	KST5-0	O	Key strobe output

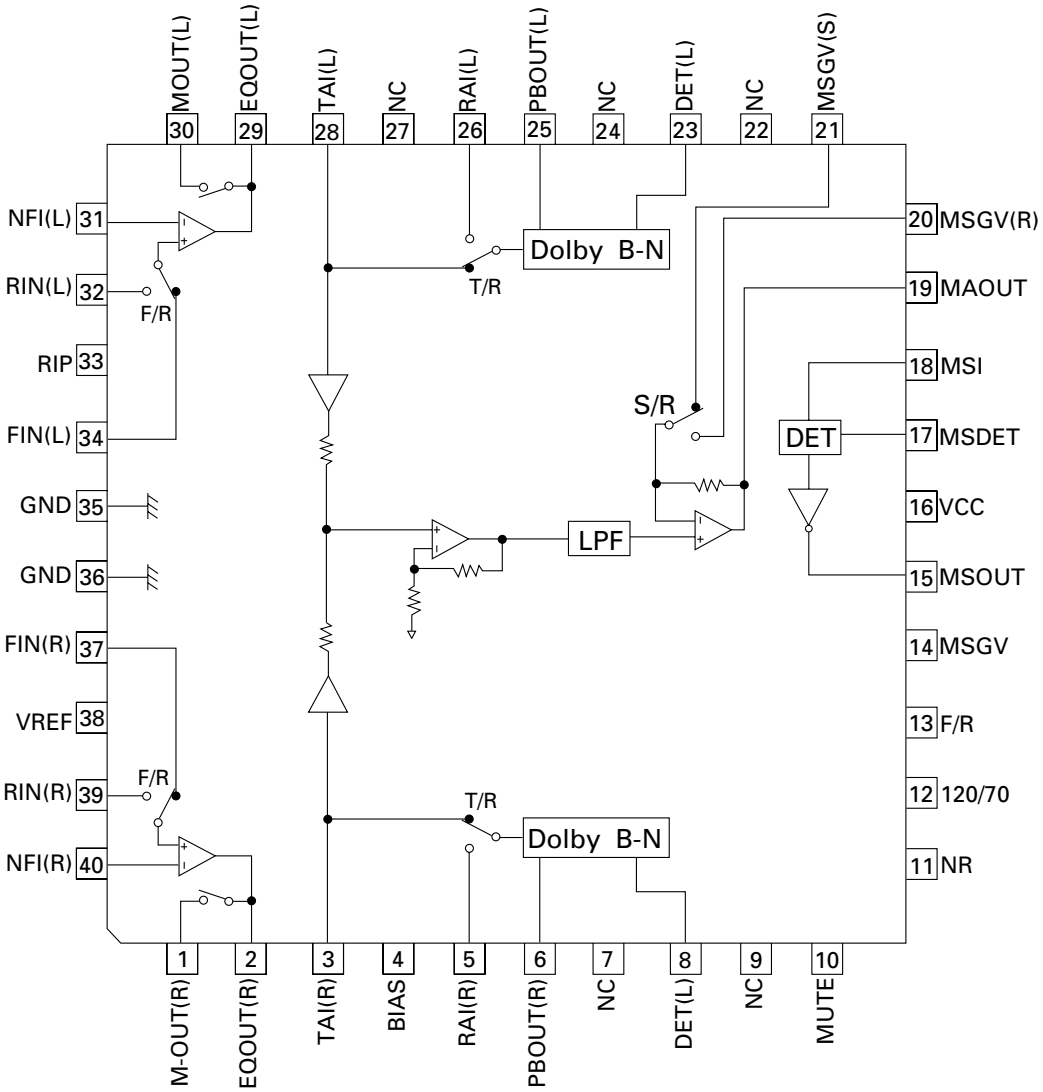
Pin No.	Pin Name	I/O	Function and Operation
62	VCC		Power supply
63	NC		Not used
64	VSS		Connect to GND
65-68	KD3-0	I	Key data input
69	MS	I	Cassette mechanism MS sense input
70	$\overline{FR}$	O	Head forward/reverse select output
71	PLAY	O	MS gain select output
72	$\overline{MTL}$	I	Cassette mechanism tape detect input
73	$\overline{ASENS}$	I	ACC power sense input
74	$\overline{CSEJ}$	I	Cassette eject sense input
75	$\overline{BSENS}$	I	Back up power sense input
76	NR	O	Dolby NR ON/OFF select output
77	$\overline{CSLOAD}$	I	Tape loading detect input
78	POS	I	Position sense
79	RES	I	Cassette mechanism reverse end sense input
80	NES	I	Cassette mechanism forward end sense input
81	TEST	I	Test terminal
82	SC2	O	Cassette mechanism sub motor control output
83	SC1	O	Cassette mechanism sub motor control output
84	CM	O	Cassette mechanism capstan motor control output
85	$\overline{STBY}$	I	Stand-by input terminal
86	ENC2-	I	AUD encoder (-) input
87	ENC2+	I	AUD encoder (+) input
88	TAPEMUTE	O	TAPE mute output
89	ST	I	Stereo
90	FMSD	I	FM SD input
91	NL		RDS noise level
92	CL	I	RDS tune off sense input
93	RDSL		RDS signal level
94	ILL-		Not used
95	SL	I	Signal level input
96	AVSS		Connect to GND
97	NC		Not used
98	VREF		Connect to VDD
99	AVCC		Connect to VDD
100	ANSW	O	Analog SW

*PD5579A,PD5580B



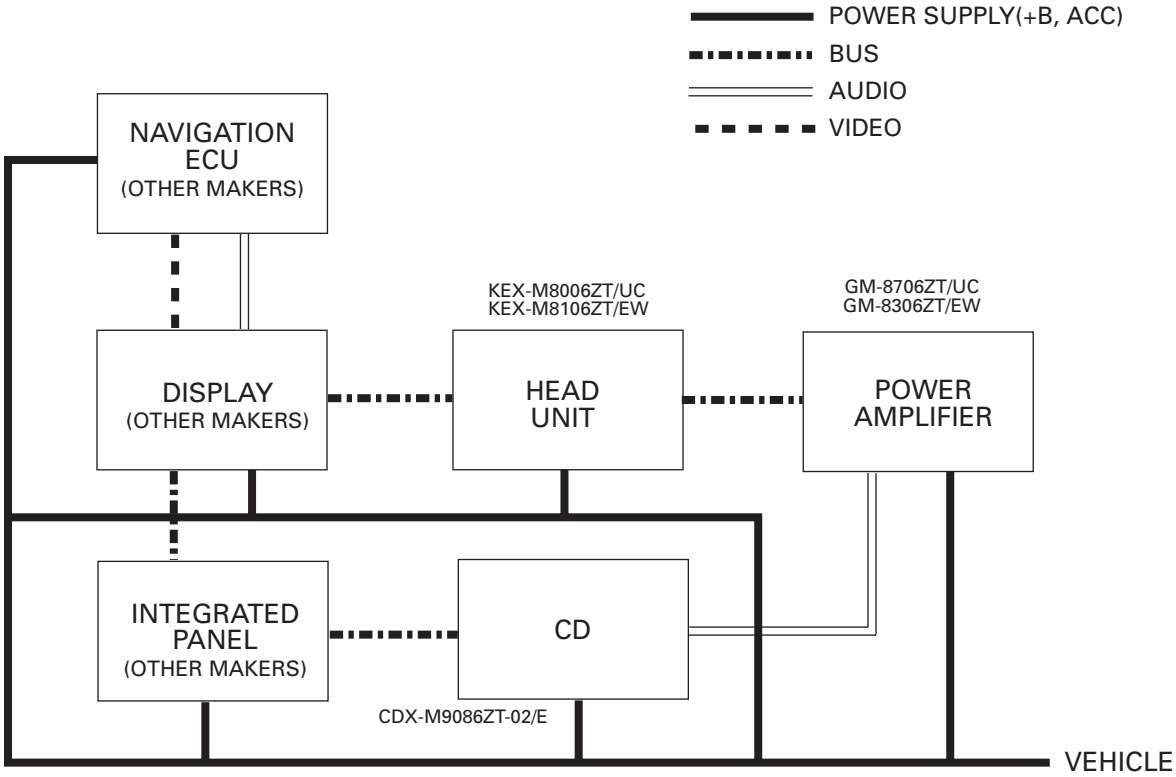
IC's marked by* are MOS type.
Be careful in handling them because they are very liable to be damaged by electrostatic induction.

HA12216F

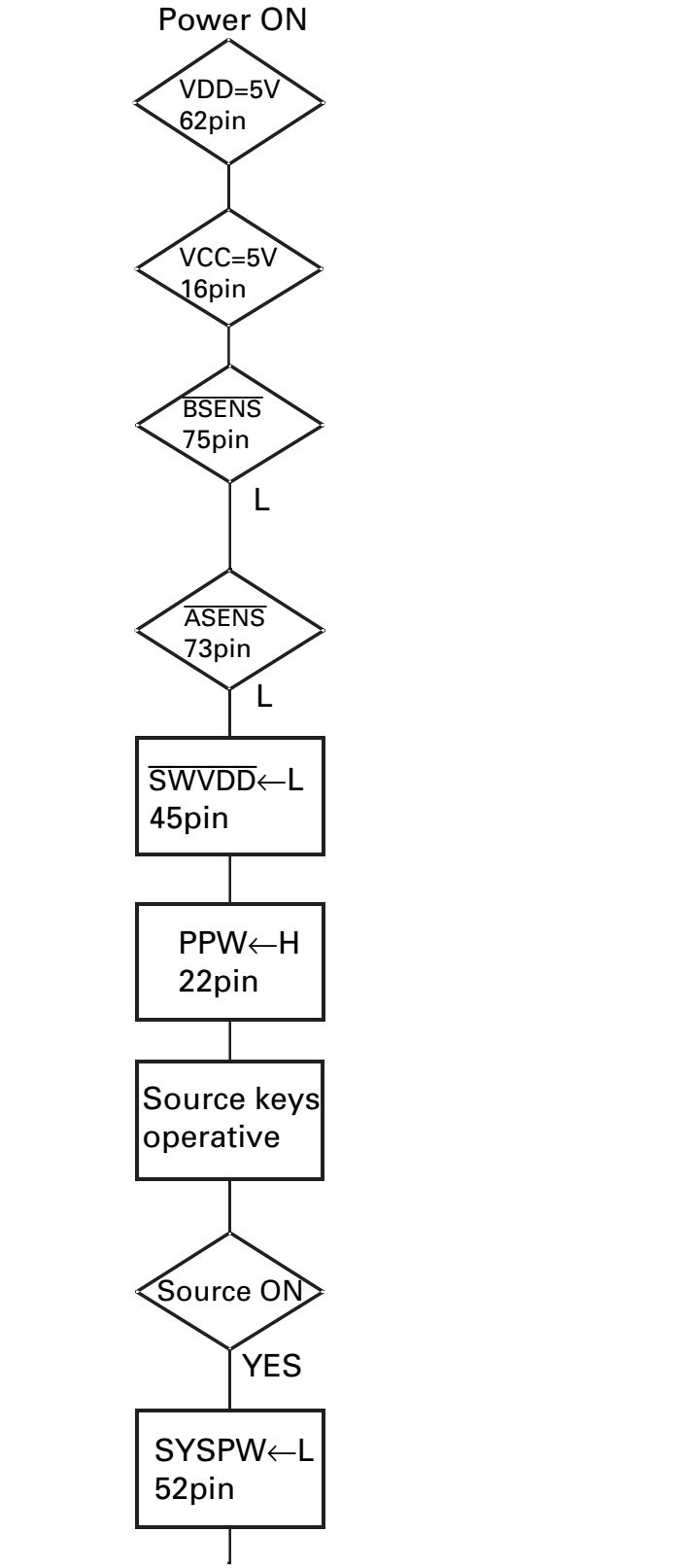

MOUT(L) 30
EQOUT(L) 29
TAI(L) 28
NC 27
RAI(L) 26
PBOUT(L) 25
NC 24
DET(L) 23
NC 22
MSGV(S) 21
NFI(L) 31
RIN(L) 32
RIP 33
FIN(L) 34
GND 35
GND 36
FIN(R) 37
VREF 38
RIN(R) 39
NFI(R) 40
F/R
T/R
Dolby B-N
S/R
DET
LPF
20 MSGV(R)
19 MAOUT
18 MSI
17 MSDET
16 VCC
15 MSOUT
14 MSGV
13 F/R
12 120/70
11 NR
1 M-OUT(R)
2 EQOUT(R)
3 TAI(R)
4 BIAS
5 RAI(R)
6 PBOUT(R)
7 NC
8 DET(L)
9 NC
10 MUTE

7.3 EXPLANATION

7.3.1 SYSTEM BLOCK DIAGRAM



7.3.2 OPERATIONAL FLOW CHART



Completes power-on operation.
(After that, proceed to each source operation.)

8. SPECIFICATIONS

General

Power source..... 13.2 V(10.5V—16.0V allowable)
Electrode dark current ..... less than 1 mA
Grounding system..... Negative type
Weight ..... 1.06 kg

Tape player

Tape..... Compact cassette tape (C-30—C-90)
Tape speed ..... 4.76 cm/sec.(+0.14 cm/sec.,-0.05 cm/sec.)
Wow & flutter ..... less than 0.2 %(WRMS)
Fast forward/rewind time ..... less than 120 sec. for C-60
Stereo separation..... more than 30 dB
Signal-to-noise ratio ..... more than 40 dB

FM tuner(KEX-M8006ZT)

Frequency range..... 87.7 — 107.9 MHz
Usable sensitivity ..... 7 dBμ ± 7dB (S/N: 30 dB)
Signal-to-noise ratio..... more than 48 dB(stereo)
Distortion ..... less than 1.5%
Stereo separation..... more than 25 dB (35 dB, 1 kHz)

AM tuner(KEX-M8006ZT)

Frequency range ..... 530 — 1,710 kHz
Usable sensitivity ..... 28 dBμ± 5dB (S/N: 20 dB)
Selectivity..... more than 50 dB (±10 kHz)
Signal-to-noise ratio..... more than 44 dB(74dBμ)
Distortion..... less than 1.0% (74dBμ)

FM tuner(KEX-M8106ZT)

Frequency range..... 87.5 — 108.0 MHz
Usable sensitivity ..... 4 dBμ ± 6dB (S/N: 30 dB)
Signal-to-noise ratio..... more than 48 dB(stereo)
Distortion ..... less than 1.5%
Stereo separation..... more than 25 dB (35 dB, 1 kHz)

MW tuner(KEX-M8106ZT)

Frequency range.....522 - 1,611 kHz
Usable sensitivity .....30 dBμ ± 5 dB (S / N : 20 dB)
Selectivity.....more than 50 dB (±9 kHz)
Signal-to-noise ratio .....more than 44 dB (74 dBμ)
Distortion.....less than 1.0% (74 dBμ)

LW tuner(KEX-M8106ZT)

Frequency range.....153 - 279 kHz
Usable sensitivity .....33 dBμ ± 5 dB (S / N : 20 dB)
Selectivity.....more than 50 dB (±9 kHz)
Signal-to-noise ratio .....more than 40 dB (74 dBμ)
Distortion.....less than 1.5%(74 dBμ)

PIONEER CORPORATION 4-1, Meguro 1-Chome, Meguro-ku, Tokyo 153-8654, Japan
PIONEER ELECTRONICS SERVICE INC. P.O.Box 1760, Long Beach, CA 90801-1760 U.S.A.
PIONEER EUROPE NV Haven 1087 Keetberglaan 1, 9120 Melsele, Belgium
PIONEER ELECTRONICS ASIACENTRE PTE.LTD. 253 Alexandra Road, #04-01, Singapore 159936

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